NAD

SERVICE MANUAL

T 761
SURROUND
SOUND RECEIVER

T 761

SURROUND
SOUND RECEIVER

PRODUCT SAFETY SERVICING GUIDELINES

CAUTION : DO NOT ATTEMPT TO MODIFY THIS PRODUCT IN ANY WAY. NEVER PERFORM CUSTOMIZED INSTALLATIONS WITHOUT MANUFACTURER'S APPROVAL. UNAUTHORIZED MODIFICATIONS WILL NOT ONLY VOID THE WARRANTY, BUT MAY LEAD TO YOUR BEING LIABLE FOR ANY RESULTING PROPERTY DAMAGE OR USER INJURY.

SERVICE WORK SHOULD BE PERFORMED ONLY AFTER YOU ARE THOROUGHLY FAMILIAR WITH ALL OF THE FOLLOWING SAFETY CHECKS AND SERVICING GUIDELINES. TO DO OTHERWISE, INCREASES THE RISK OF POTENTIAL HAZARDS AND INJURY TO THE USER.

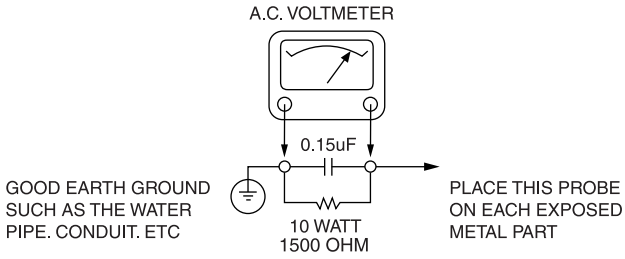
WHILE SERVICING, USE AN ISOLATION TRANSFORMER FOR PROTECTION FROM AC LINE SHOCK.

SAFETY CHECKS

AFTER THE ORIGINAL SERVICE PROBLEM HAS BEEN CORRECTED. A CHECK SHOULD BE MADE OF THE FOLLOWING.

SUBJECT : FIRE & SHOCK HAZARD

1. BE SURE THAT ALL COMPONENTS ARE POSITIONED IN SUCH A WAY AS TO AVOID POSSIBILITY OF ADJACENT COMPONENT SHORTS. THIS IS ESPECIALLY IMPORTANT ON THOSE MODULES WHICH ARE TRANSPORTED TO AND FROM THE REPAIR SHOP.
2. NEVER RELEASE A REPAIR UNLESS ALL PROTECTIVE DEVICES SUCH AS INSULATORS, BARRIERS, COVERS, SHIELDS, STRAIN RELIEFS, POWER SUPPLY CORDS, AND OTHER HARDWARE HAVE BEEN REINSTALLED PER ORIGINAL DESIGN. BE SURE THAT THE SAFETY PURPOSE OF THE POLARIZED LINE PLUG HAS NOT BEEN DEFEATED.
3. SOLDERING MUST BE INSPECTED TO DISCOVER POSSIBLE COLD SOLDER JOINTS, SOLDER SPLASHES OR SHARP SOLDER POINTS. BE CERTAIN TO REMOVE ALL LOOSE FOREIGN PARTICLES.
4. CHECK FOR PHYSICAL EVIDENCE OF DAMAGE OR DETERIORATION TO PARTS AND COMPONENTS. FOR FRAYED LEADS, DAMAGED INSULATION (INCLUDING AC CORD). AND REPLACE IF NECESSARY FOLLOW ORIGINAL LAYOUT, LEAD LENGTH AND DRESS.
5. NO LEAD OR COMPONENT SHOULD TOUCH A RECEIVING TUBE OR A RESISTOR RATED AT 1 WATT OR MORE. LEAD TENSION AROUND PROTRUDING METAL SURFACES MUST BE AVOIDED.
6. ALL CRITICAL COMPONENTS SUCH AS FUSES, FLAMEPROOF RESISTORS, CAPACITORS, ETC. MUST BE REPLACED WITH EXACT FACTORY TYPES, DO NOT USE REPLACEMENT COMPONENTS OTHER THAN THOSE SPECIFIED OR MAKE UNRECOMMENDED CIRCUIT MODIFICATIONS.
7. AFTER RE-ASSEMBLY OF THE SET ALWAYS PERFORM AN AC LEAKAGE TEST ON ALL EXPOSED METALLIC PARTS OF THE CABINET, (THE CHANNEL SELECTOR KNOB, ANTENNA TERMINALS. HANDLE AND SCREWS) TO BE SURE THE SET IS SAFET TO OPERATE WITHOUT DANGER OF ELECTRICAL SHOCK. DO NOT USE A LINE ISOLATION TRANSFORMER DURING THIS TEST USE AN AC VOLTMETER, HAVING 5000 OHMS PER VOLT OR MORE SENSITIVITY, IN THE FOLLOWING MANNER; CONNECT A 1500 OHM 10 WATT RESISTOR, PARALLELED BY A .15 MFD, 150V AC TYPE CAPACITOR BETWEEN A KNOWN GOOD EARTH GROUND (WATER PIPE, CONDUIT, ETC.) AND THE EXPOSED METALLIC PARTS, ONE AT A TIME.
   MEASURE THE AC VOLTAGE ACROSS THE COMBINATION OF 1500 OHM RESISTOR AND .15 MFD CAPACITOR.
   REVERSE THE AC PLUG AND REPEAT AC VOLTAGE MEASUREMENTS FOR EACH EXPOSED METALLIC PART.
   VOLTAGE MEASURE MUST NOT EXCEED 75 VOLTS R.M.S. THIS CORRESPONDS TO 0.5 MILLIAMP AC ANY VALUE EXCEEDING THIS LIMIT CONSTITUTES A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED IMMEDIATELY.


A.C. VOLTMETER
0.15uF
GOOD EARTH GROUND SUCH AS THE WATER PIPE. CONDUIT. ETC
10 WATT 1500 OHM
PLACE THIS PROBE ON EACH EXPOSED METAL PART

SUBJECT : GRAPHIC SYMBOLS

THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK.

THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

SUBJECT : TIPS ON PROPER INSTALLATION

1. NEVER INSTALL ANY PRODUCT IN A CLOSED-IN RECESS, CUBBYHOLE OR CLOSELY FITTING SHELF SPACE. OVER OR CLOSE TO HEAT DUCT, OR IN THE PATH OF HEATED AIR FLOW.
2. AVOID CONDITIONS OF HIGH HUMIDITY SUCH AS: OUTDOOR PATIO INSTALLATIONS WHERE DEW IS A FACTOR, NEAR STEAM RADIATORS WHERE STEAM LEAKAGE IS A FACTOR, ETC.
3. AVOID PLACEMENT WHERE DRAPERIES MAY OBSTRUCT REAR VENTING. THE CUSTOMER SHOULD ALSO AVOID THE USE OF DECORATIVE SCARVES OR OTHER COVERINGS WHICH MIGHT OBSTRUCT VENTILATION.
4. WALL AND SHELF MOUNTED INSTALLATIONS USING A COMMERCAL MOUNTING KIT MUST FOLLOW THE FACTORY APPROVED MOUNTING INSTRUCTIONS A PRODUCT MOUNTED TO A SHELF OR PLATFORM MUST RETAIN ITS ORIGINAL FEET (OR THE EQUIVALENT THICKNESS IN SPACERS) TO PROVIDE ADEQUATE AIR FLOW ACROSS THE BOTTOM, BOLTS OR SCREWS USED FOR FASTENERS MUST NOT TOUCH ANY PARTS OR WIRING. PERFORM LEAKAGE TEST ON CUSTOMIZED INSTALLATIONS.
5. CAUTION CUSTOMERS AGAINST THE MOUNTING OF A PRODUCT ON SLOPING SHELF OR A TILTED POSITION, UNLESS THE PRODUCT IS PROPERLY SECURED.
6. A PRODUCT ON A ROLL-ABOUT CART SHOULD BE STABLE ON ITS MOUNTING TO THE CART. CAUTION THE CUSTOMER ON THE HAZARDS OF TRYING TO ROLL A CART WITH SMALL CASTERS ACROSS THRESHOLDS OR DEEP PILE CARPETS.
7. CAUTION CUSTOMERS AGAINST THE USE OF A CART OR STAND WHICH HAS NOT BEEN LISTED BY UNDERWRITERS LABORATORIES, INC. FOR USE WITH THEIR SPECIFIC MODEL OF TELEVISION RECEIVER OR GENERICALLY APPROVED FOR USE WITH T.V.'S OF THE SAME OR LARGER SCREEN SIZE.
8. CAUTION CUSTOMERS AGAINST THE USE OF EXTENSION CORDS, EXPLAIN THAT A FOREST OF EXTENSIONS SPROUTING FROM A SINGLE OUTLET CAN LEAD TO DISASTROUS CONSEQUENCES TO HOME AND FAMILY.

SERVICING PRECAUTIONS

CAUTION : Before servicing the A/V Receiver covered by this service data and its supplements and addends, read and follow the *SAFETY PRECAUTIONS. NOTE* : if unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions in this publication, always follow the safety precautions.
Remember Safety First:

General Servicing Precautions

1. Always unplug the A/V Receiver AC power cord from the AC power source before:
   (1) Removing or reinstalling any component, circuit board, module, or any other assembly.
   (2) Disconnecting or reconnecting any internal electrical plug or other electrical connection.
   (3) Connecting a test substitute in parallel with an electrolytic capacitor.
   Caution : A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Do not spray chemicals on or near this A/V Receiver or any of its assemblies.

3. Unless specified otherwise in this service data, clean electrical contacts by applying an appropriate contact cleaning solution to the contacts with a pipe cleaner, cottontipped swab, or comparable soft applicator.
   Unless specified otherwise in this service data, lubrication of contacts is not required.

4. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service manual might be equipped.

5. Do not apply AC power to this A/V Receiver and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.

6. Always connect test instrument ground lead to the appropriate ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power on. Connect an insulation resistance meter(500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts (Note 1) should be more than 1M-ohm.
Note 1 : Accessible Conductive Parts including Metal panels, Input terminals, Earphone jacks, etc.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical Es devices are integrated circuits and some field effect transistors and semiconductor chip components.
The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.

4. Use only an antistatic solder removal device. Some solder removal devices not classified a “anti-static” can generate electrical charges sufficient to damage ES devices.

5. Do not use freonpropelled chemicals. These can generate electrical charge sufficient to damage ES devices.

6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil, or comparable conductive material).

7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handing unpackaged replacement ES devices. (Normally harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

SERVICE SAFETY PRECAUTIONS

1. Replacing the fuses

CAUTION: FOR CONTINUED PROTECTION AGAINST THE RISK OF FIRE REPLACE ONLY WITH SAME TYPE OF FUSE.

Reference No			Part Number	Description
M752	*C	⚠	5120-0017-0	FU T4A 250V SEMKO/UDE HBC
M754	*C	⚠	5120-0018-0	FU T1A 250V SEMKO/UDE 5X20MM
M751	*AH	⚠	5120-0040-0	FU T6.3A 250V 5X20 UL
M754	*AH	⚠	5120-0052-0	FUSE T1.6A 250V 5X20MM

NOTE:
<*AH > : USA, CANADIAN MODEL ONLY.
<*C > : EUROPEAN MODEL ONLY.

2. Safety check out

(Only U.S.A. model)
Before returning the product to the customer, make leakage current or resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit.

Parts marked with the symbol ⚠ are critical with regard to the risk of fire and electric shock. Replace only with parts recommended by the manufacturer.

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SPECIFICATIONS

POWER AMPLIFIER AND PREAMPLIFIER SECTION

Rated distortion	(THD 20Hz-20 kHz FL/C/FR)		≤ **0.08%**
	(THD 20Hz-20 kHz SL/SR)		≤ **0.3%**
Input Sensitivity	(ref. 8 ohms, 1 kHz)		**180+/-30 mV**
S/N Ratio	(A-wtd, 1KHz, 1W, 8 ohm)		≥ **-75 dB**
	(A-wtd, 1KHz, 80W, 8 ohm)	FL/FR/C	≥ **92 dB**
		SL/SR	≥ **-90 dB**
Frequency Response		(20 Hz - 20 kHz)	**0 ± 0.8 dB**
Channel Balance		(1 dB to -40 dB, 1 kHz)	≤ **2 dB**
		(-41 dB to -50 dB, 1 kHz)	≤ **3 dB**
Audio muting at 1kHz			≥ **53 dB**
Headphone O/P in 0.1%, 600 ohm load, CD in 500mV, 1 kHz			≥ **10V**
Subwoofer out, 500mV in		(THD at 2V O/P, 100 Hz)	≥ **0.5%**
		(S/N at 2V O/P, 100 Hz)	≥ **80 dB**
Crosstalk	(2V input, 10W, 1 kHz)		> **-68 dB**
Continuous average power output (L/R/C RL/RR 8ohms)			**80 W**

Controls

Bass	(at 500mV in, 1W out, 100 Hz)	**± 9 dB**
Treble	(at 500mV in, 1W out, 10 kHz)	**± 9 dB**

SURROUND SECTION

Channel separation

I/p mode : L, R	: 1V in, 1 kHz, Ch R, L		≥ **45 dB**
	: o/p at unexpected, 1 kHz, Ch C		≥ **35 dB**
I/p mode : L= -R	: 1V in, 1 kHz, Ch R, L		≥ **28 dB**
	: o/p at unexpected, 1 kHz, Ch C		≥ **30 dB**
I/p mode : L= R	: 1V in, 1 kHz, Ch R, L		≥ **45 dB**
	: o/p at unexpected, 1 kHz, Ch SL, SR		≥ **30 dB**

Frequency Response

I/p mode : L, R	: 1V in, 1W, Ch R, L	40Hz	**0 ± 1.5 dB**
		20kHz	**0 ± 0.8 dB**
I/p mode : L= R	: 1V in, 1W, Ch C	300Hz	**0 ± 0.8 dB**
		20kHz	**0 ± 0.8 dB**
I/p mode : L= -R	: 1V in, 1W, Ch SL, SR	30Hz	**0 ± 1.0 dB**
		6.5kHz	**-3 ± 1.0 dB**

S/N Ratio (200mV in, 1, A-WTD w/ 1k termination)

I/p mode : L, R	: 1 kHz, Ch L, R	≥ **65 dB**
I/p mode : L=R	: 1 kHz, Ch C	≥ **65 dB**
I/p mode : L=-R	: 1 kHz, Ch SL, SR	≥ **65 dB**

THD (2.2V in, 1W, w/ 80 kHz LPF, 1 kHz) ≤ **0.2%**

AC-3/DTS SECTION

Frequency Response

FL, FR, C, SL, SR:	200Hz	**0 ± 0.8 dB**
	20kHz	**0 ± 0.8 dB**

Distortion 1W all channels **0.08%**

S/N 1 W (CCIR/ARM, 200 Hz NOTCH & 400 Hz HPF) ≥ **85 dB**

AM TUNER SECTION

Input level is expressed as the reading in open-circuit of 75-ohm source impedance signal generator		
Usable sensitivity (999/1000kHz)		≤ **30 dBμ**
S/N Ratio (5mV in)		≥ **38 dB**
THD (5mV in)		≤ **3%**
IF Rejection (450 kHz)		≥ **36 dB**
Image Rejection (F+2xIF)		≥ **28 dB**
Selectivity		≥ **17 dB**
Output		**130+/- 20mV**
Loop sensitivity (20dB S/N)		
	999/1000 kHz	≤ **66 dB**
	603/600 kHz	≤ **66 dB**
	1404/1400 kHz	≤ **66 dB**
Frequency response (100 - 2.3 kHz, 5mV)		± **6 dB**

FM TUNER SECTION

		*C	*AH
Input level is expressed as the reading in open-circuit of 75-ohm source impedance signal generator			
Usable Sensitivity (98 MHz)		≤ **15 dBμ**	≤ **15 dBμ**
Signal / Noise Ratio	Mono	≥ **72 dB**	≥ **72 dB**
(60 dBμ, IHF wtd)	Stereo	≥ **66 dB**	≥ **66 dB**
Frequency Response (20 Hz - 15 kHz, 60 dBμ)		**0 ± 1.5 dB**	**0 ± 1.5 dB**
Channel Separation (60 dBμ)	100 Hz	≥ **30 dB**	≥ **30dB**
	1 kHz	≥ **38 dB**	≥ **38 dB**
	10 kHz	≥ **30 dB**	≥ **30 dB**
Alternate Channel Selectivity (40 dBμ, ±400 kHz)		≥ **60 dB**	≥ **45 dB**
Capture Ratio (40 dBμ)		≤ **3 dB**	≤ **3 dB**
AM Suppression (60 dBμ, 100% Mod.FM, 30% Mod.AM)		≥ **48 dB**	≥ **48 dB**
Image Rejection (119.4 MHz)		≥ **85 db**	≥ **40 dB**
I.F. Rejection (10.7 MHz)		≥ **78 dB**	≥ **65 dB**
Pilot Suppression (60 dBμ)		≥ **60 dB**	≥ **60 dB**
THD (60 dBμ, L=R 75 kHz for AH, 40 kHz Dev for C)			
	Mono	≤ **0.25%**	≤ **0.25%**
	Stereo	≤ **0.35%**	≤ **0.35%**
Auto-Search Sensitivity	On	≥ **24 dBμ**	≥ **24 dBμ**
	Off	≤ **15 dBμ**	≤ **15 dBμ**
RDS decode Sensitivity		≤ **26 dBμ**	≤ **26 dBμ**

POWER RATING

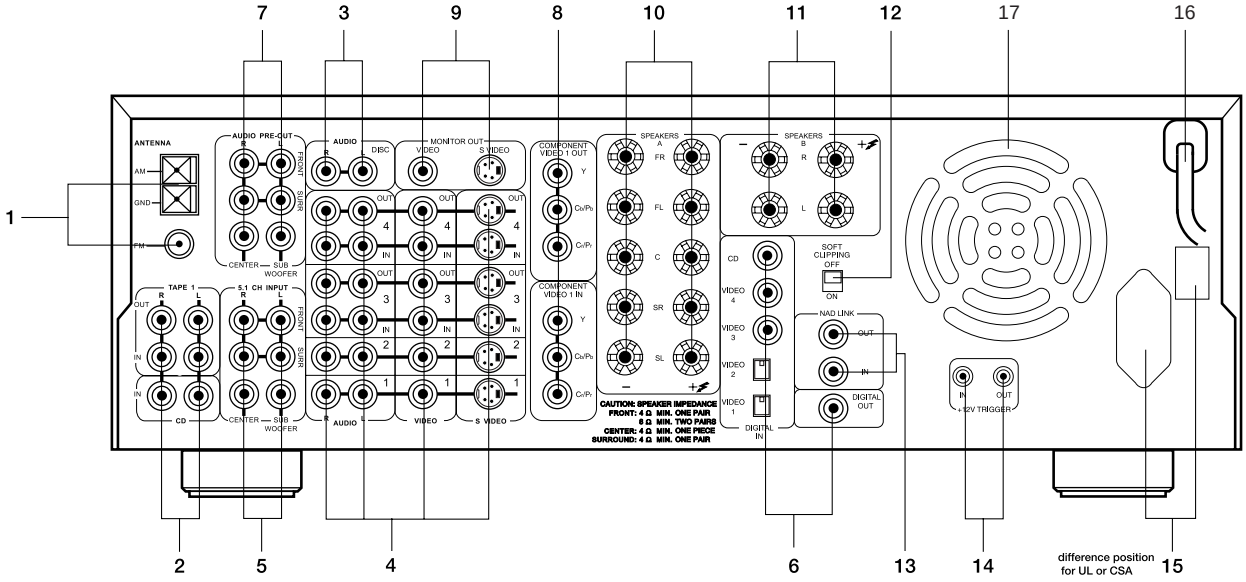
EUROPEAN Model	*C	**AC 230V~ 50Hz 2.0A**
USA, CANADIAN Model	*AH	**AC 120V~ 60Hz 4.2A**

PHYSICAL SPECIFICATIONS

Dimensions (Width x Height x Depth)	**435 x 131 x 348mm**
Net weight	**14kg (31 lbs)**
Shipping weight	**16.7kg (37 lbs)**

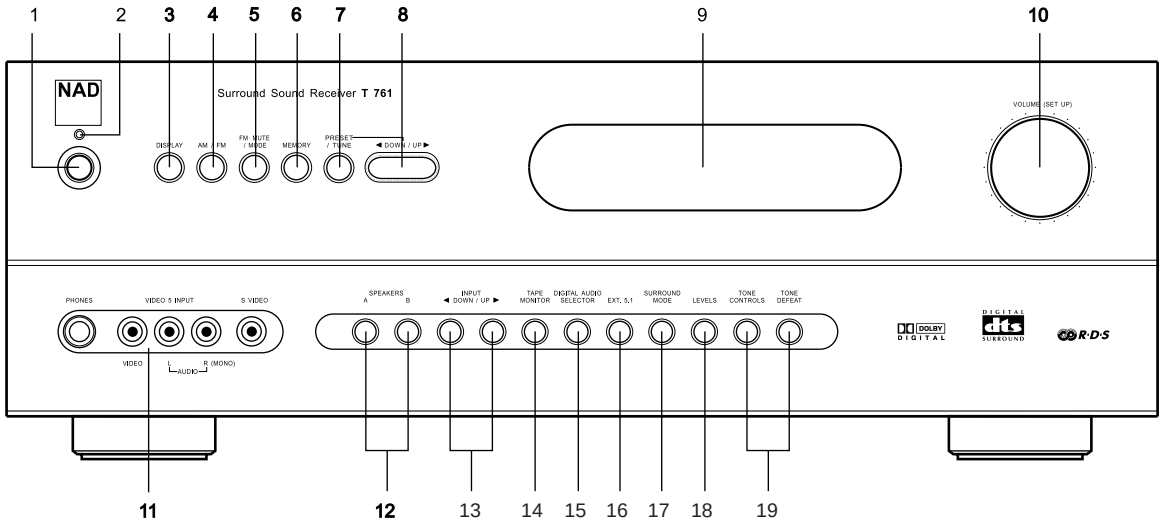
REAR PANEL / FRONT PANEL

REAR PANEL



1. FM & AM ANTENNA
2. TAPE 1 & CD INPUTS
3. DISC INPUT
4. VIDEO 1 - VIDEO 4 (AUDIO & VIDEO)
5. 5.1 CHANNEL INPUT
6. DIGITAL AUDIO INPUTS / OUTPUTS
7. AUDIO PRE OUTS
8. COMPONENT VIDEO INPUT & OUTPUT
9. MONITOR OUT
10. SPEAKERS A: FRONT, CENTER & SURROUND SPEAKERS
11. SPEAKERS B
12. SOFT CLIPPING
13. NAD-LINK INPUT / OUTPUT
14. 12V TRIGGER INPUT / OUTPUT
15. SWITCHED POWER OUTLETS
16. AC POWER CORD
17. COOLING FAN

FRONT PANEL



1. POWER
2. STAND-BY
3. DISPLAY
4. AM/FM
5. FM MUTE / MODE
6. MEMORY
7. PRESET / TUNE
8. DOWN / UP ◄ AND ►
9. VFL DISPLAY
10. VOLUME & SETUP
11. HEADPHONE SOCKET & VIDEO 5 INPUT
12. SPEAKERS A & B
13. AUDIO & VIDEO INPUT SELECTORS <DOWN/UP>
14. TAPE MONITOR
15. DIGITAL AUDIO SELECTOR
16. EXT. 5.1
17. SURROUND MODE
18. LEVELS
19. TONE CONTROLS & TONE DEFEAT

DISASSEMBLY INSTRUCTIONS

1. Remove machine screws M 4.0 x 6.0 (①to⑥) from the side panels.
   Remove tapping screw 3.0 x 8.5 (⑦)from the back panel.
   Refer to **Figure No.1**.

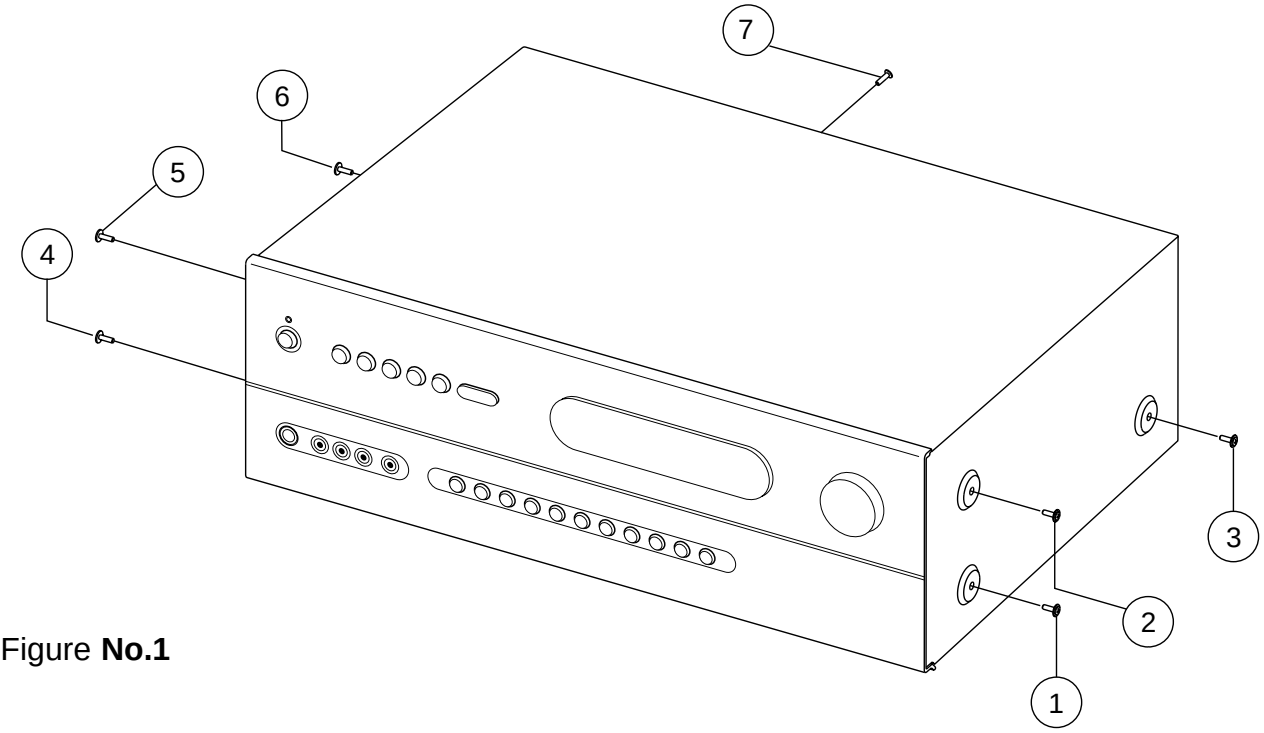


Figure **No.1**

2. Pull both sides of the TOP COVER slightly outwards ⑧ and tilt approx. 35˚ and then remove in the direction as indicated by the arrow ⑨. Refer to **Figure No.2**.

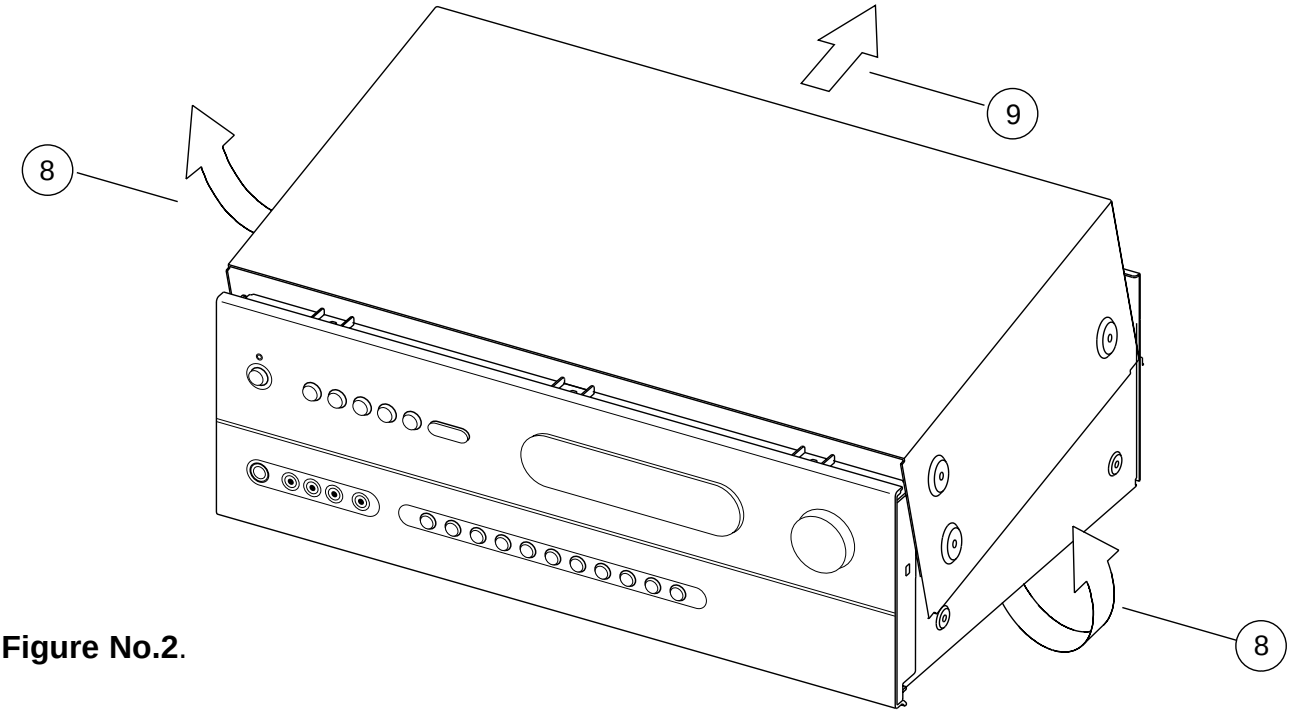
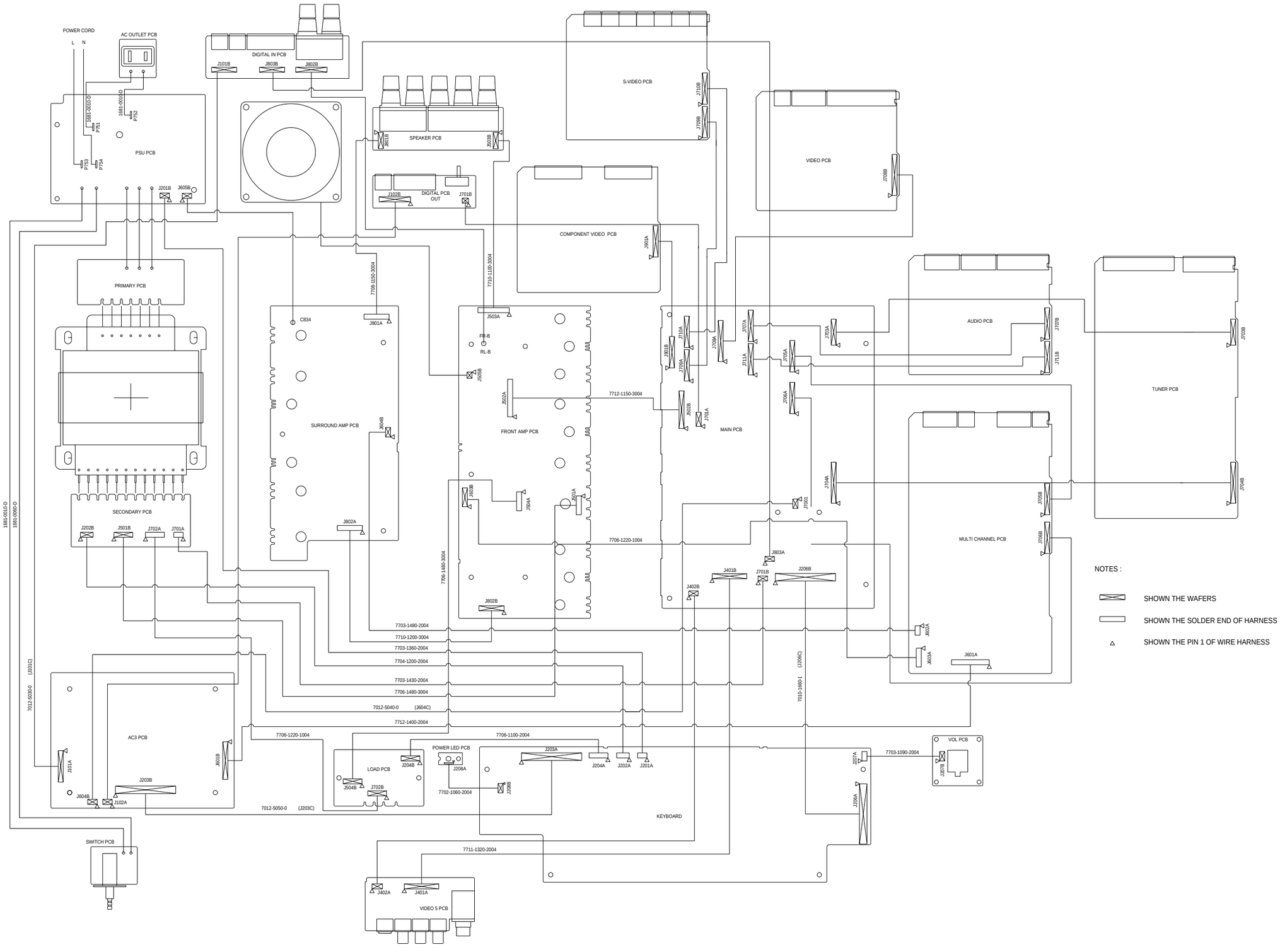
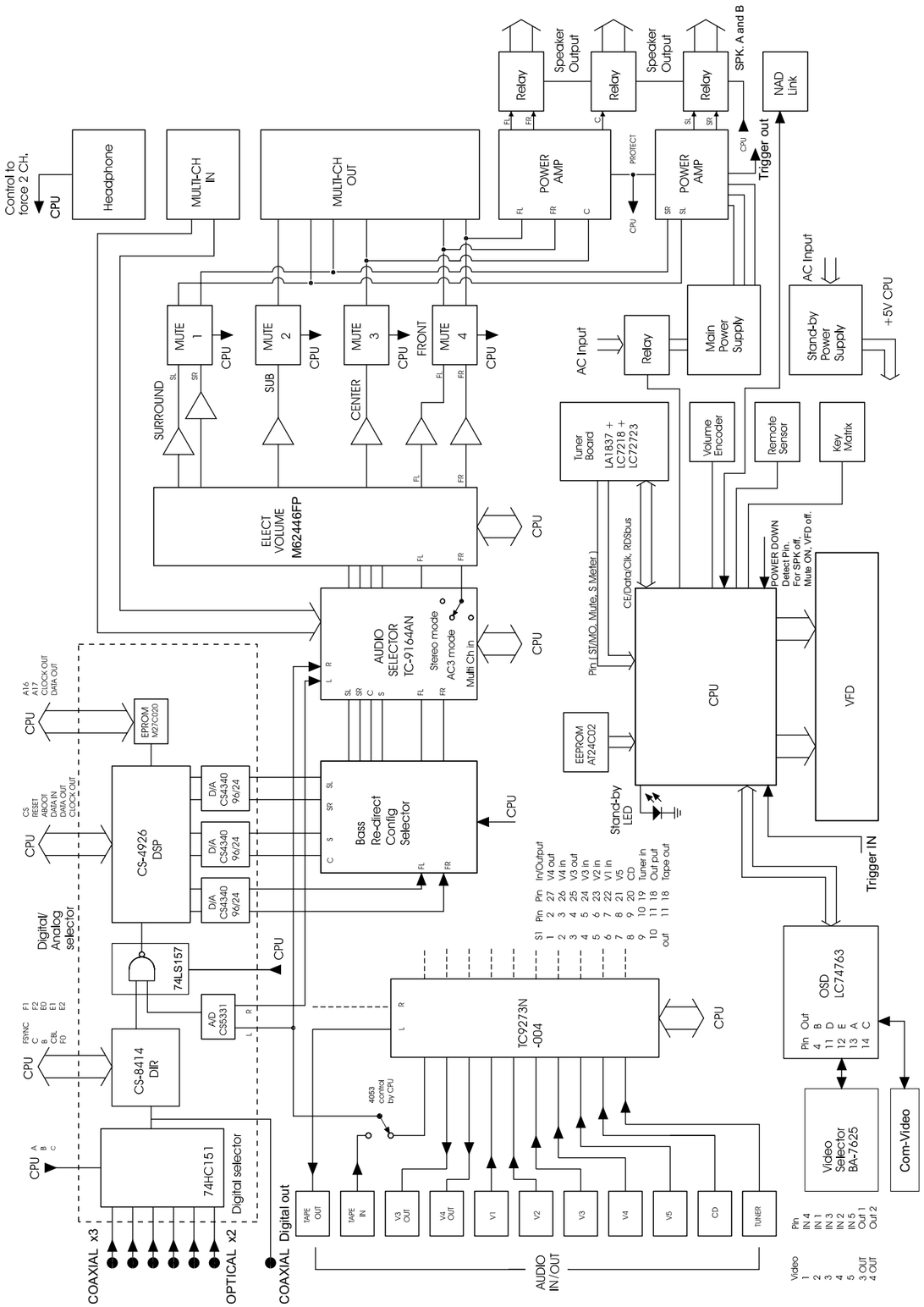


Figure No.2.

WIRING DIAGRAM

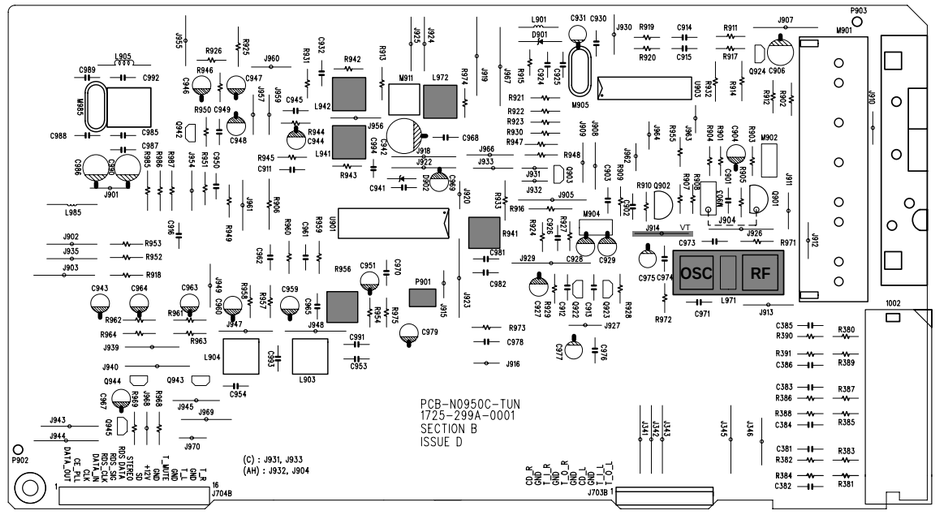


BLOCK DIAGRAM

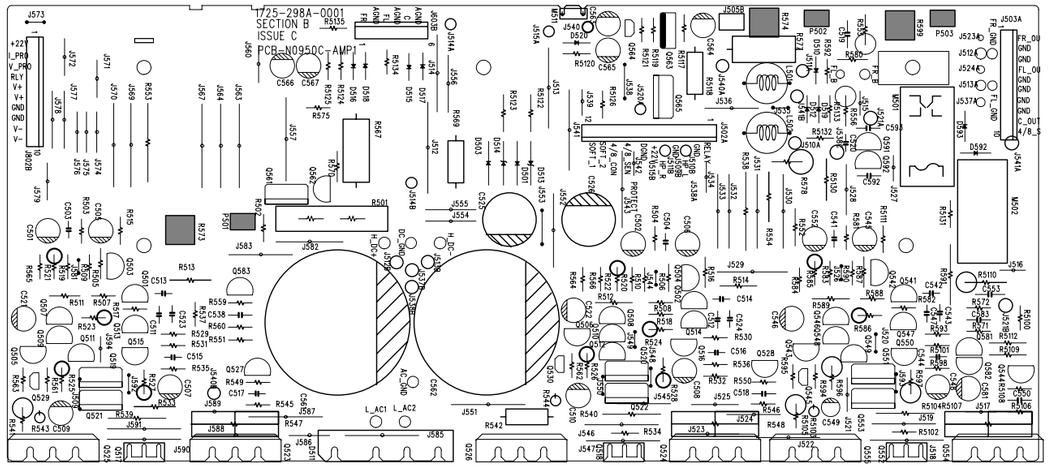


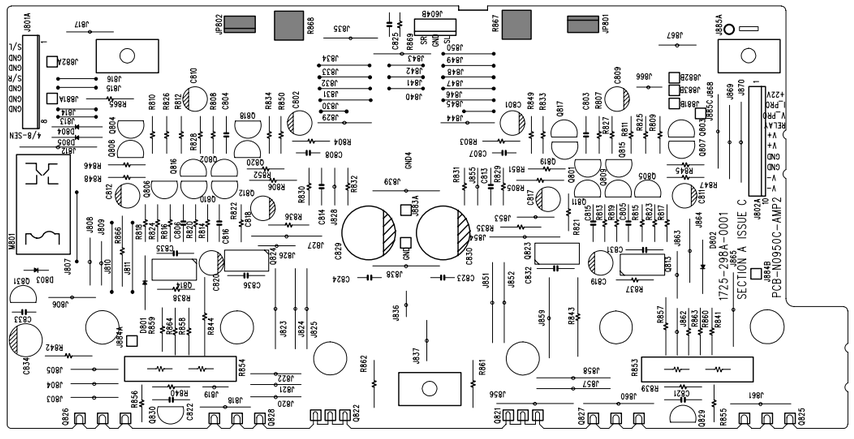
ADJUSTMENT POINTS DIAGRAM

1. TUNER



2. IDLE CURRENT - Front Amplifier & Surround Amplifier Board





INSTRUMENT SETUP

1. FM MEASUREMENT

Fig. 1

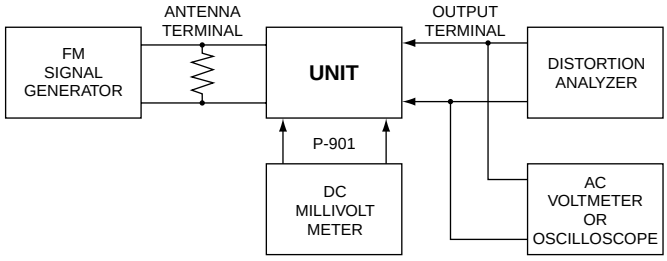
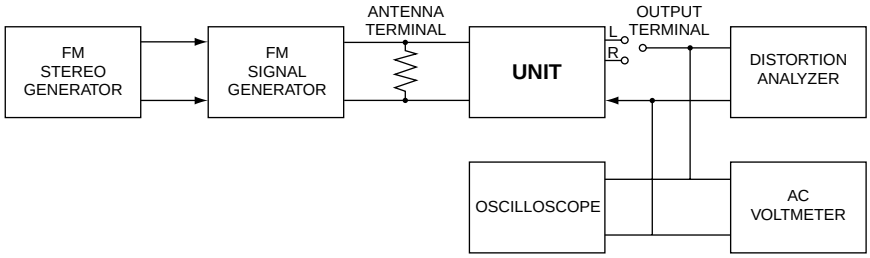
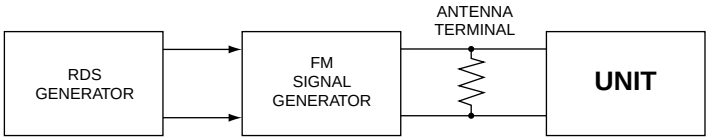


Fig. 2



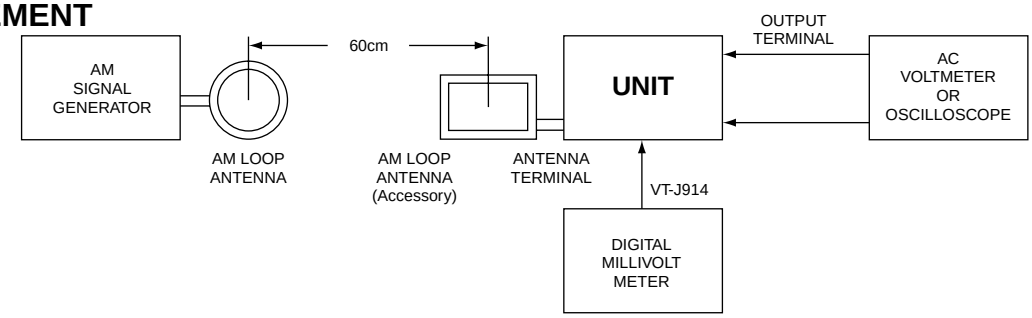
2. RDS MEASUREMENT

Fig. 3



3. AM MEASUREMENT

Fig. 4



ALIGNMENT PROCEDURES

AMPLIFIER SECTION

Idle Current

Step	Item	Connection	Adjustment	Adjust for
1	Front Left Channel	Voltmeter to P502 on Front Amp Board	R574	2mV±0.2mV
2	Front Right Channel	Voltmeter to P501 on Front Amp Board	R573	2mV±0.2mV
3	Center Channel	Voltmeter to P503 on Front Amp Board	R599	2mV±0.2mV
4	Rear Left Channel	Voltmeter to JP801 on Surround Amplifier Board (PCB N0901C-AMP2)	R867	2mV±0.2mV
5	Rear Right Channel	Voltmeter to JP802 on Surround Amplifier Board (PCB N091C-AMP2)	R868	2mV±0.2mV

FM/RDS SECTION

- FM mono: 1kHz, 75kHz devi., 60dB/µV
- FM stereo: 1kHz, 67.5kHz devi., 60dB/µV
  Pilot signal 19kHz 7.5kHz devi.

OUTPUTS

- Connect the non-inductive type resistor of 8 ohms to the all speaker terminals unless otherwise noted.

Item	Step	Connection of instrument	FM SG output	Stereo modulator output	Tuning frequency	Output indicator	Adjustment point	Adjust for	Remarks
FM IF/RF	1	Fig.1	99.0MHz 1kHz 75kHz devi. 65dBf (60dB)	–	99.0MHz	DC voltmeter	L941	0±100mV	FM MUTE/MODE switch: ON/AUTO Repeat the steps 1 to 3 until no further adjustment is necessary.
	2					AC voltmeter	IFT on the front end	Maximum	
	3					Distortion analyzer	L942	Minimum	
Stereo Distortion		Fig.2	99.0MHz Ext. mod. 65dBf (60dB)	Channel L or R 1kHz	99.0MHz	Distortion analyzer	IFT on the front end	Minimum	FM MUTE/MODE switch: ON/AUTO Don't turn more than +/-180˚
Stereo Separation		Fig.2	99.0MHz Ext. mod. 65dBf (60dB)	Channel L or R 1kHz	99.0MHz	Oscilloscope	R956	Maximum separation	Repeat stereo distortion and stereo separation alignment until THD at minimum and separation at maximum.
Muting Level		Fig.1	99.0MHz 18dB	–	99.0MHz	Oscilloscope	R941	Signal output	
RDS		Fig.3	99.0MHz Ext. mod.65dBf(60dB) RDS 2% MOD	–	99.0MHz	–	–	–	Decode the RDS-Program Station.

AM SECTION

AM Modulation: 400Hz, 30%

For AH Version

Step	AM SG output	Tuning frequency	Output indicator	Adjustment point	Adjust for
1	–	530kHz	Digital DC voltmeter	OSC coil on RF block L971	1.35±0.2V
2	600kHz 400Hz 30% mod. 60dB/m	600kHz	AC voltmeter	RF coil on RF block L971	Maximum
3	600kHz 400Hz 30% mod. 60dB/m	990kHz	AC voltmeter	L972	Maximum

For C Version

Step	AM SG output	Tuning frequency	Output indicator	Adjustment point	Adjust for
1	–	522kHz or 531kHz	Digital DC voltmeter	OSC coil on RF block L971	1.3±0.2V (522kHz) 1.35±0.2V (531kHz)
2	600kHz 400Hz 30% mod. 60dB/m	603kHz	AC voltmeter	RF coil on RF block L971	Maximum
3	600kHz 400Hz 30% mod. 60dB/m	999kHz	AC voltmeter	L972	Maximum

IMPORTANT NOTES

1. Show the software version
Press “TUNE UP” and “TAPE MONITOR”.

2. Toggle between PAL and NTSC
Press “MEMORY” and “SPEAKER A”.

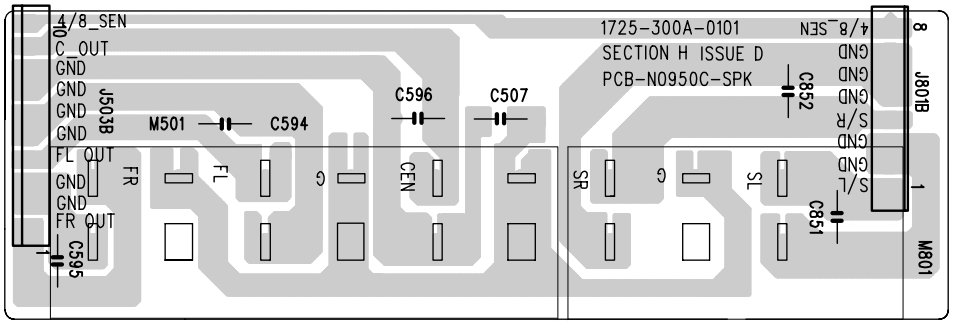
3. Light up all the icon on the VFL.
Press “FM/MUTE” and “SPEAKER B”.

4. Toggle between 9K and 10K
Press “FM/MUTE” and “Digital Audio Selector”.

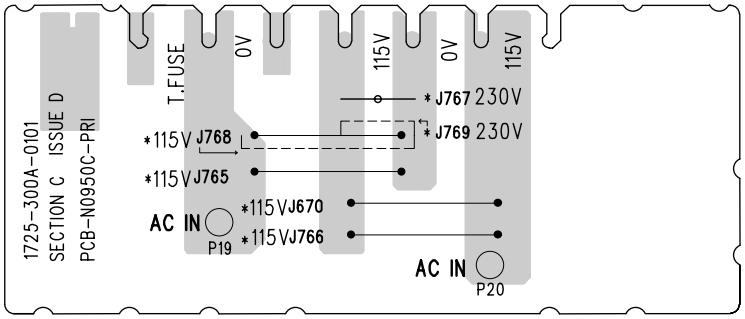
5. Clear all tuner presets
Change the setting of 9KHz / 10KHz Step.

PCB LAYOUT

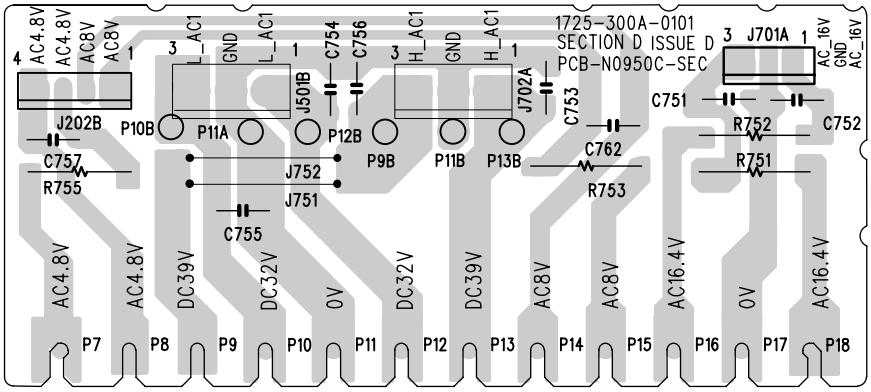
SPEAKER BOARD



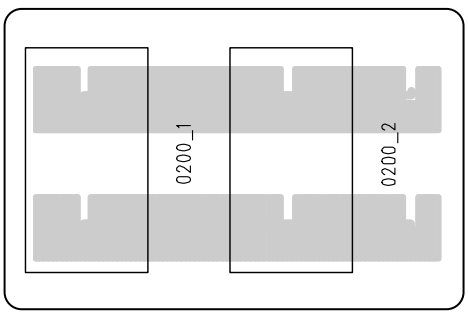
PRIMARY BOARD



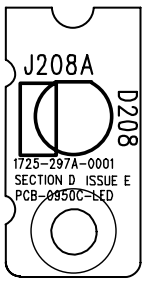
SECONDARY BOARD



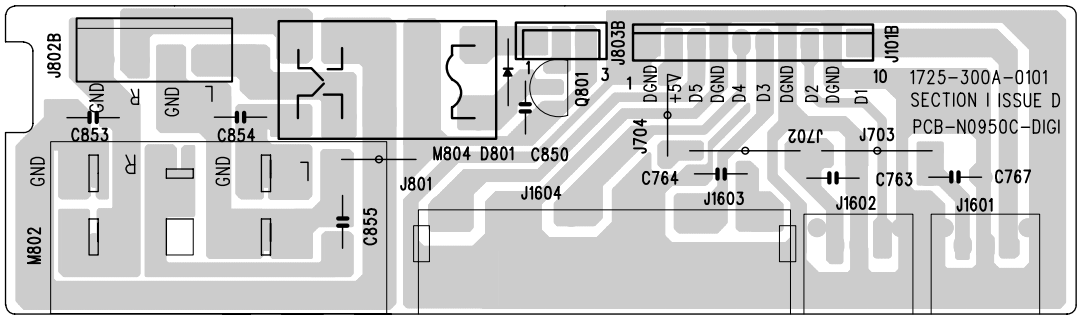
AC OUTLET BOARD



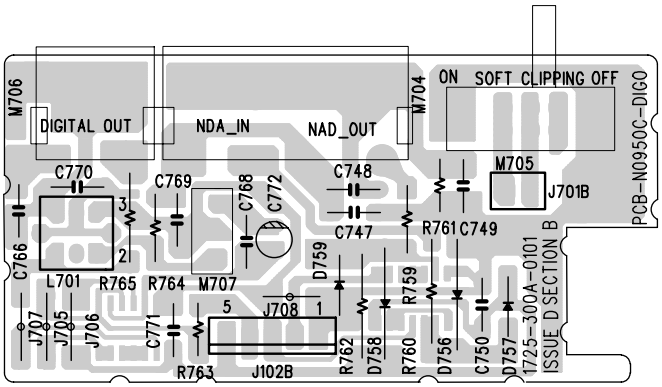
LED BOARD



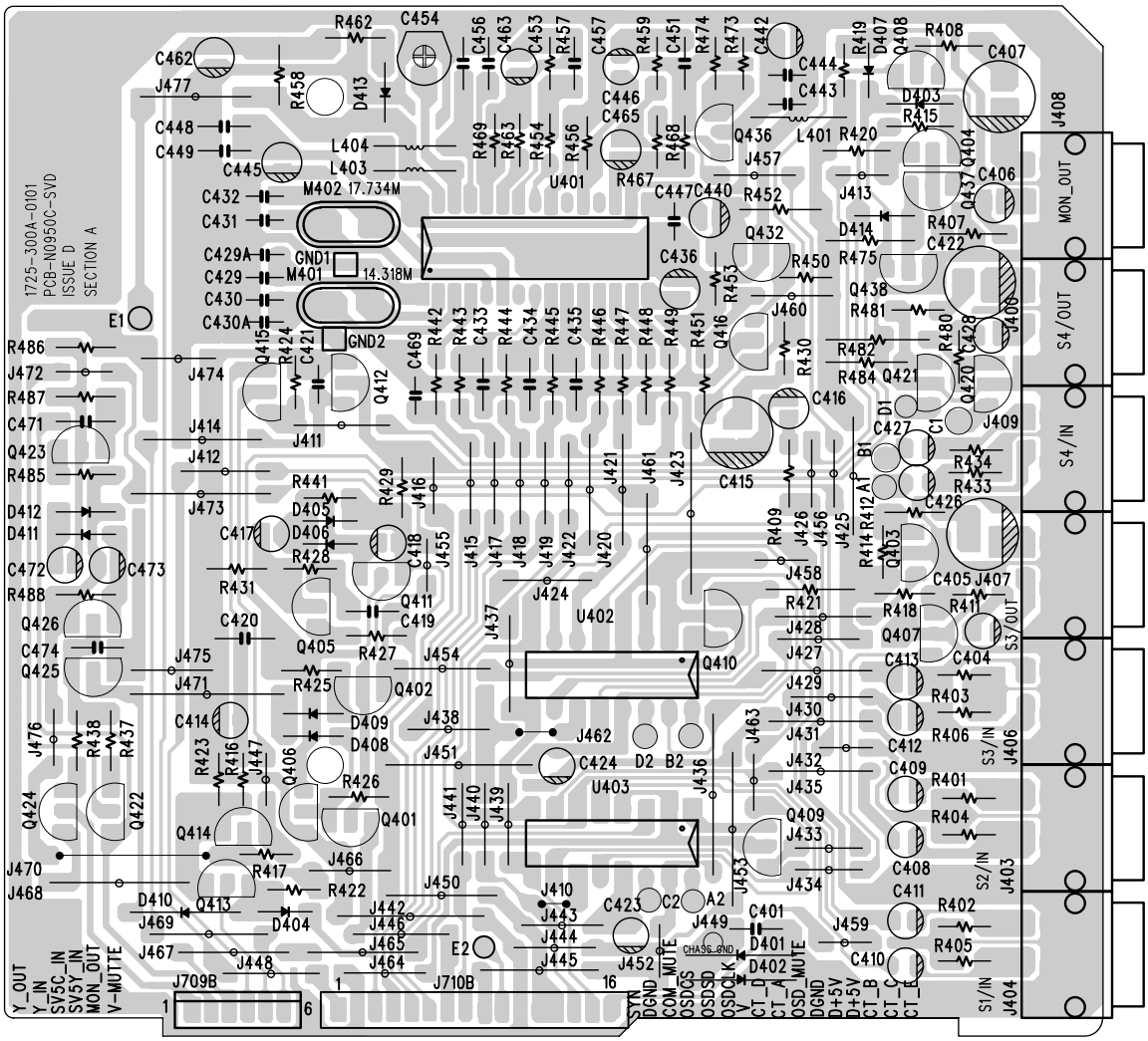
DIGITAL IN BOARD



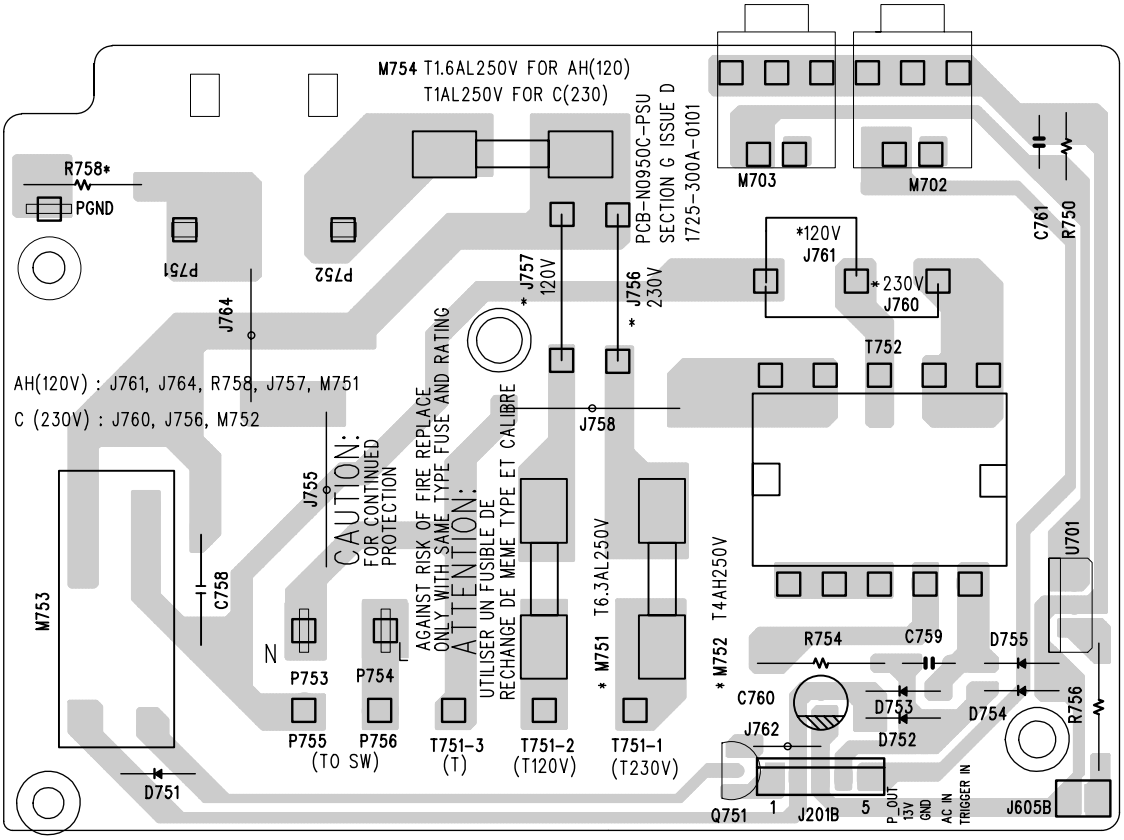
DIGITAL OUT BOARD



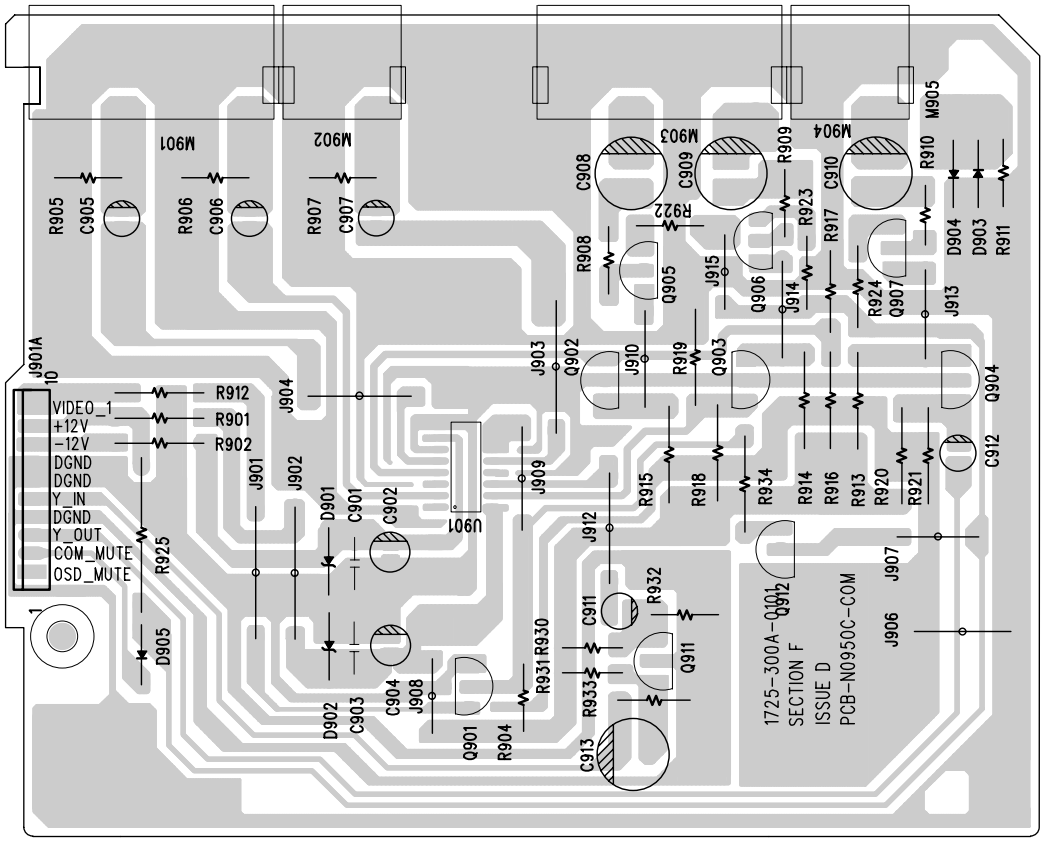
S-VIDEO BOARD



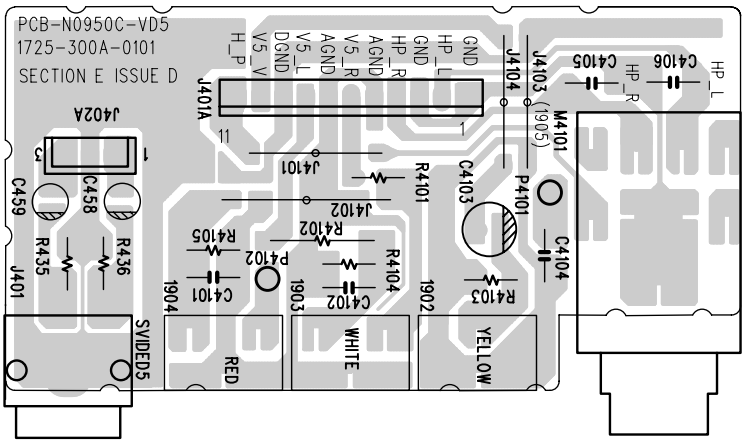
PSU BOARD



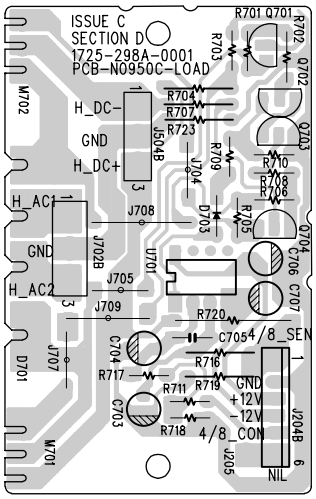
COMPONENT VIDEO BOARD



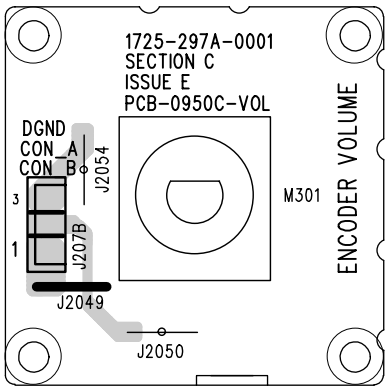
VIDEO 5 BOARD



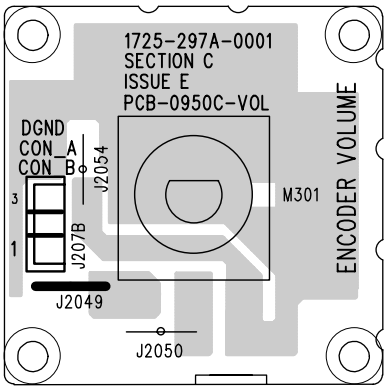
LOAD BOARD



VOLUME BOARD

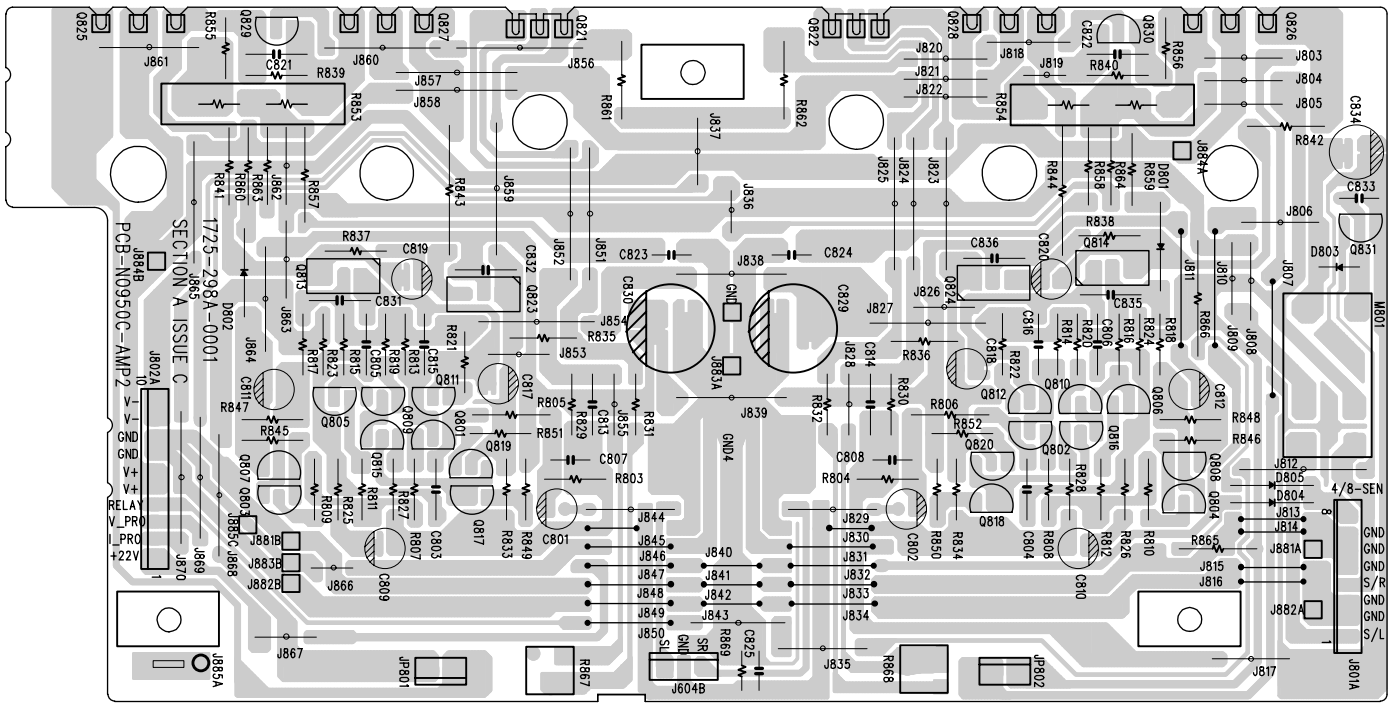


(Top View)

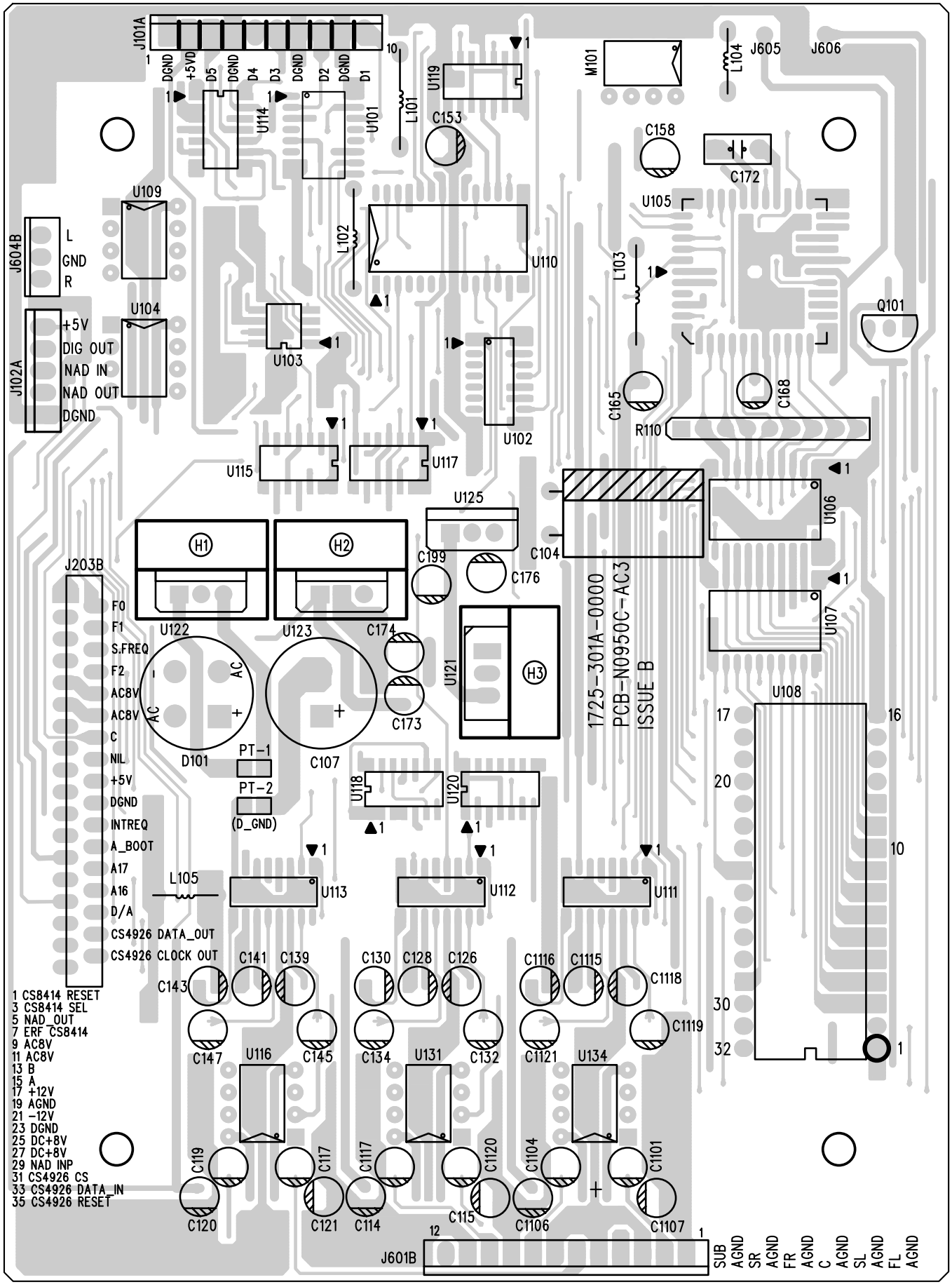


(Bottom View)

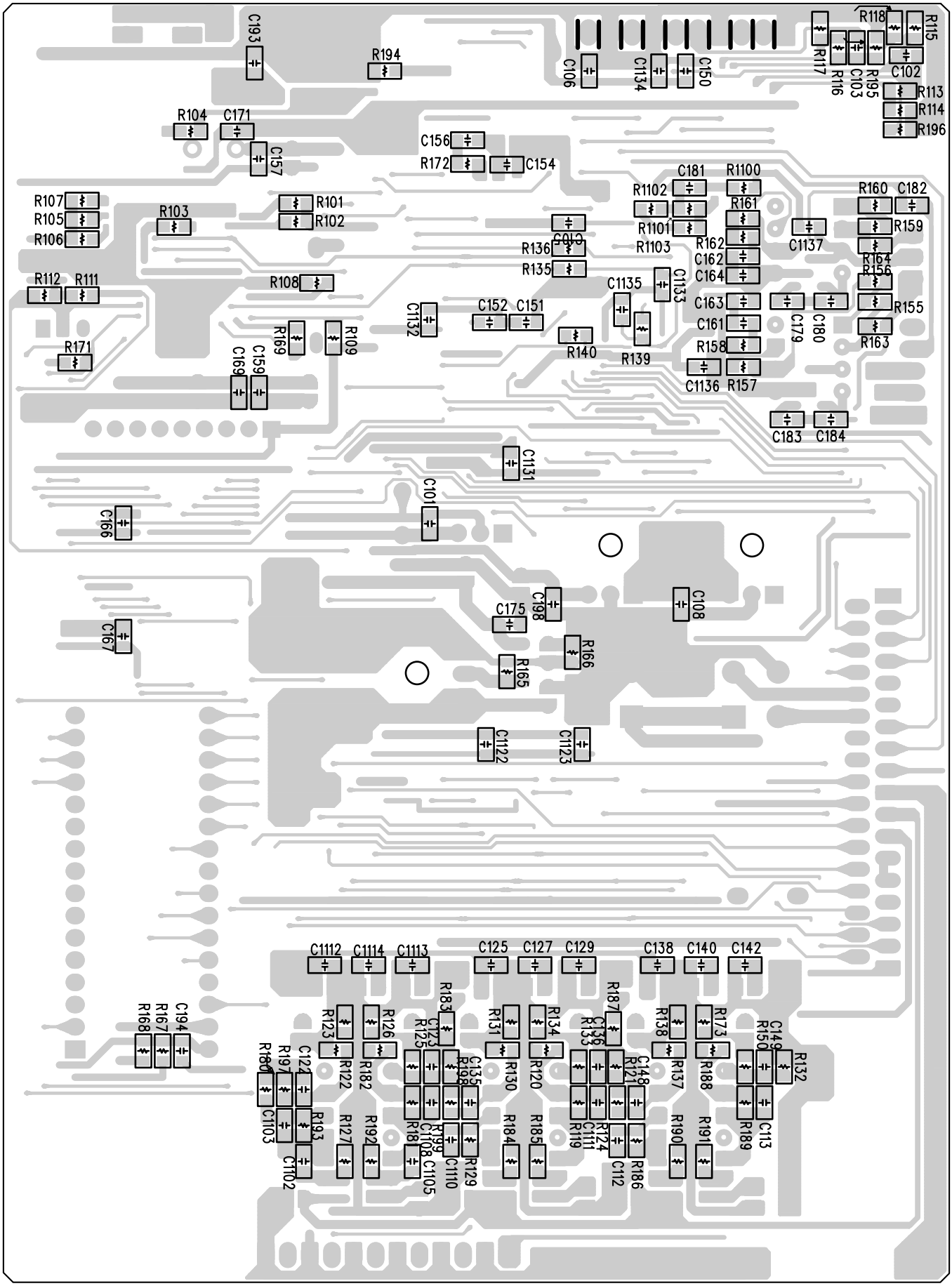
SURROUND AMP BOARD



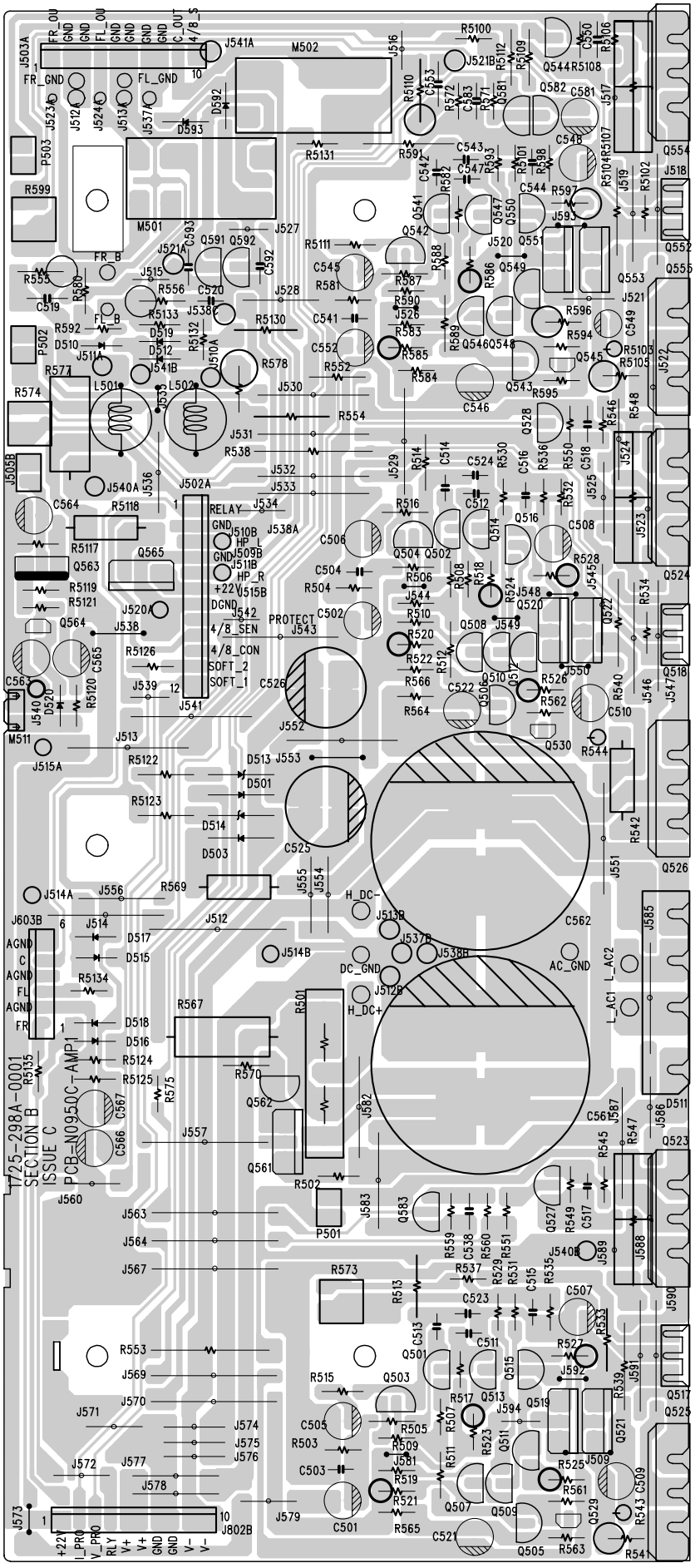
AC3 BOARD - COMPONENT SIDE



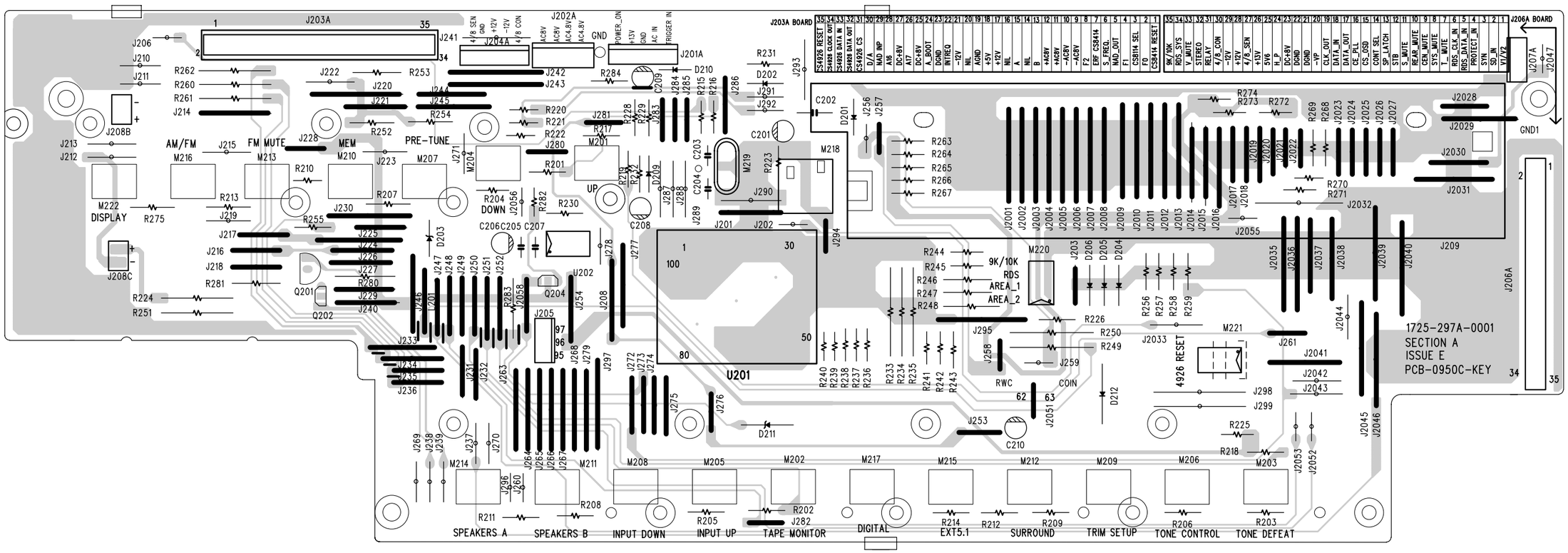
AC3 BOARD - SOLDER SIDE



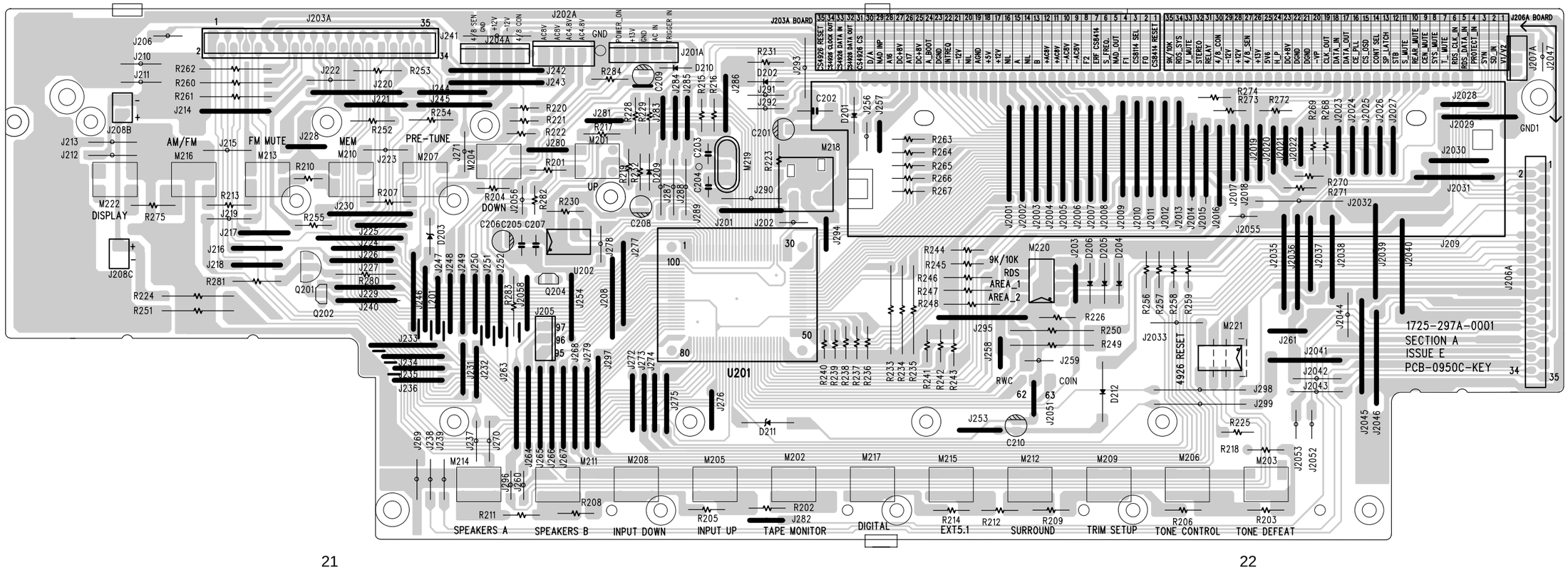
FRONT AMP BOARD



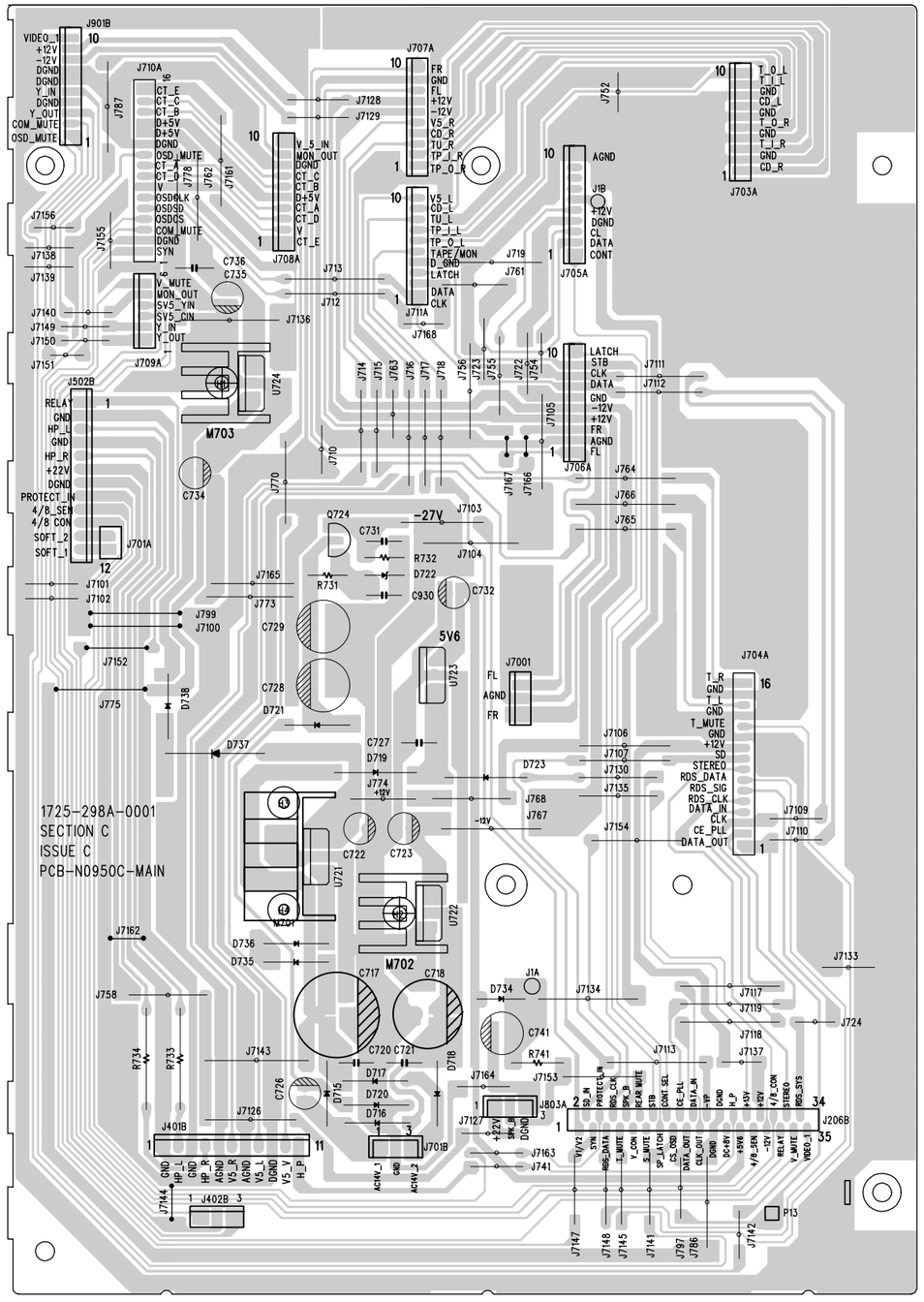
KEY BOARD - COMPONENT SIDE



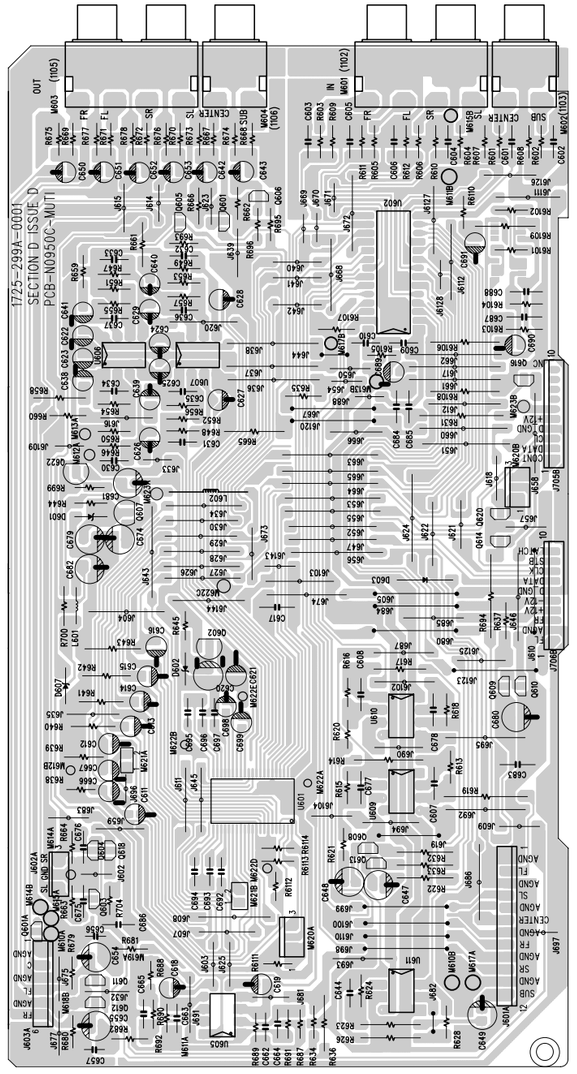
KEY BOARD - SOLDER SIDE



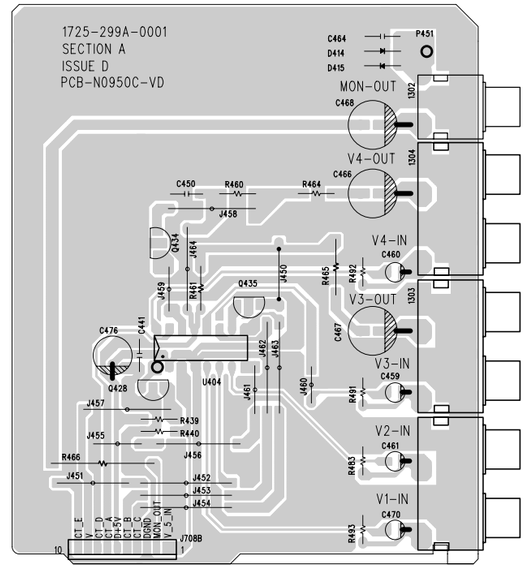
MAIN BOARD



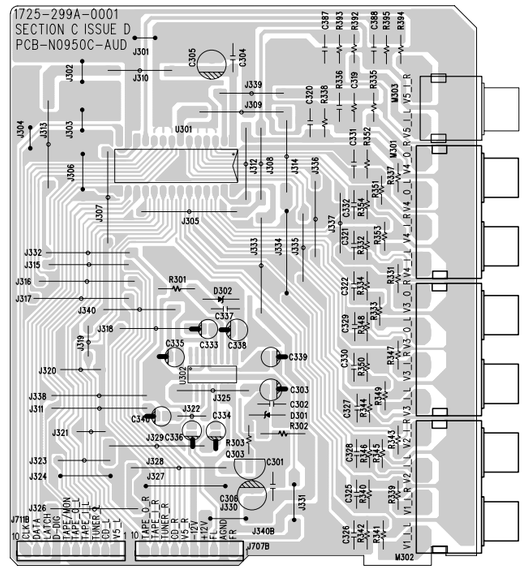
MULTI-CHANNEL BOARD



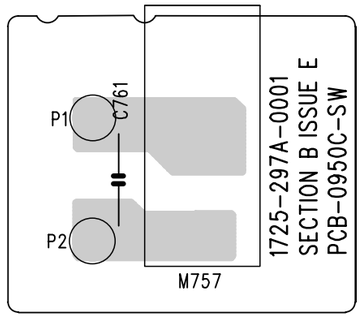
VIDEO BOARD



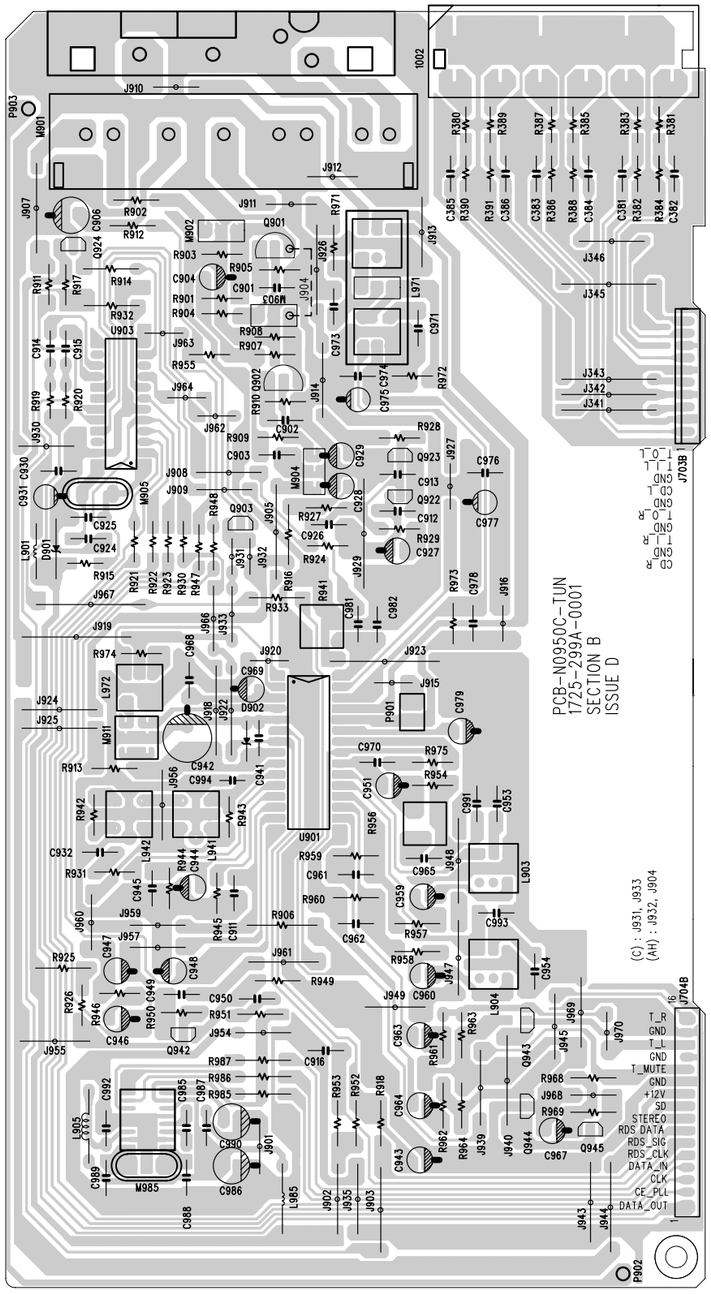
AUDIO BOARD



POWER SWITCH BOARD

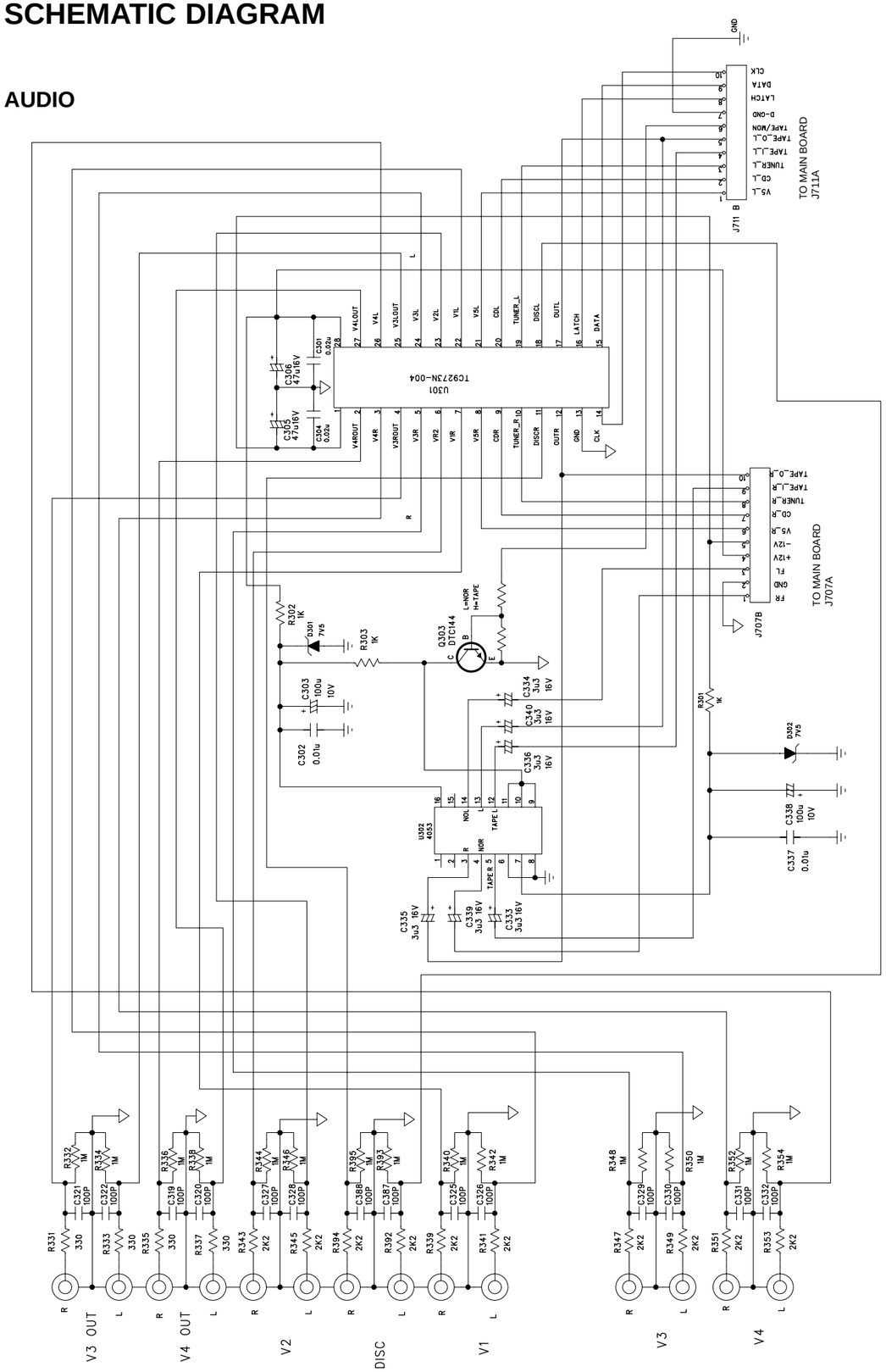


TUNER BOARD



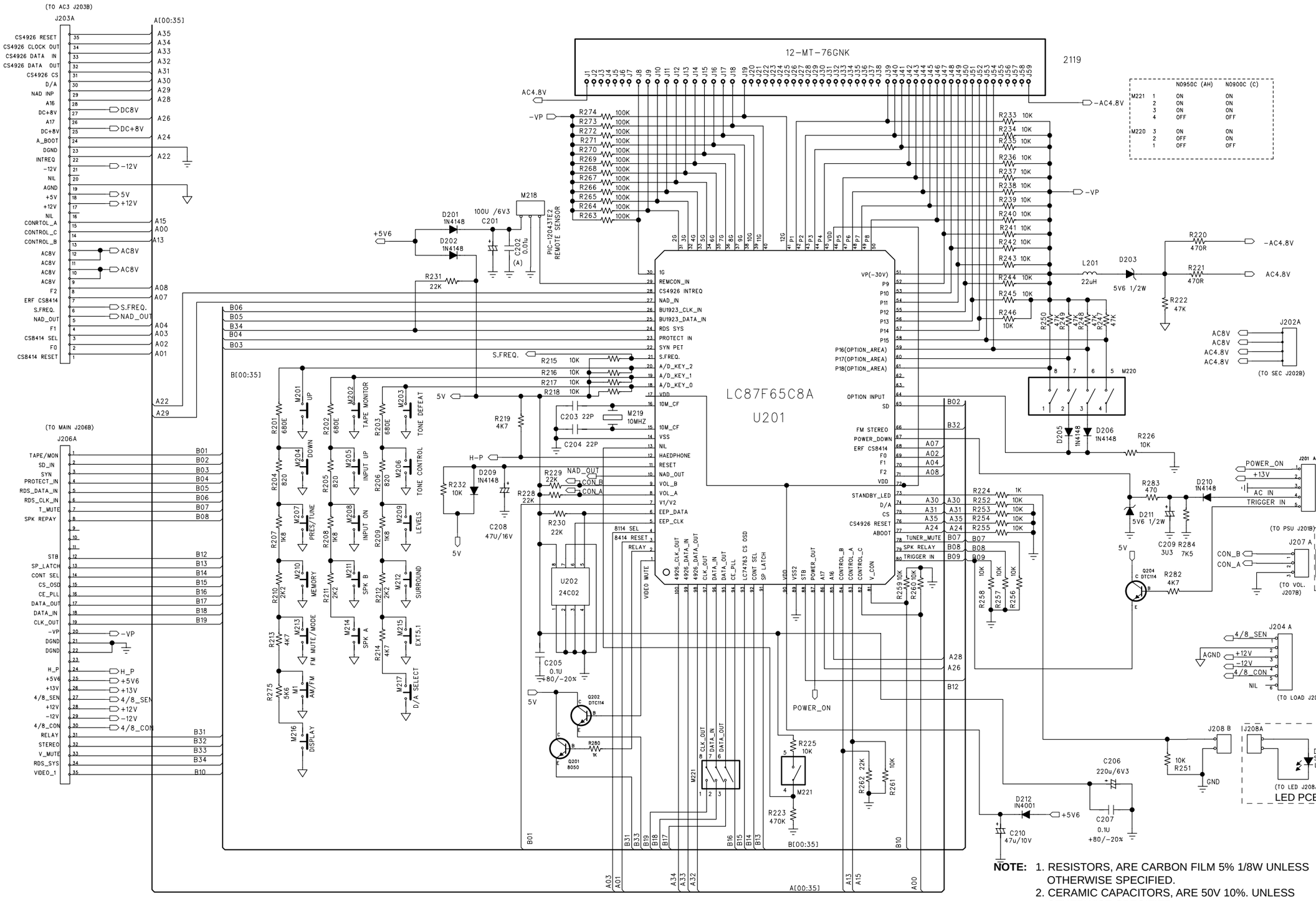
SCHEMATIC DIAGRAM

AUDIO



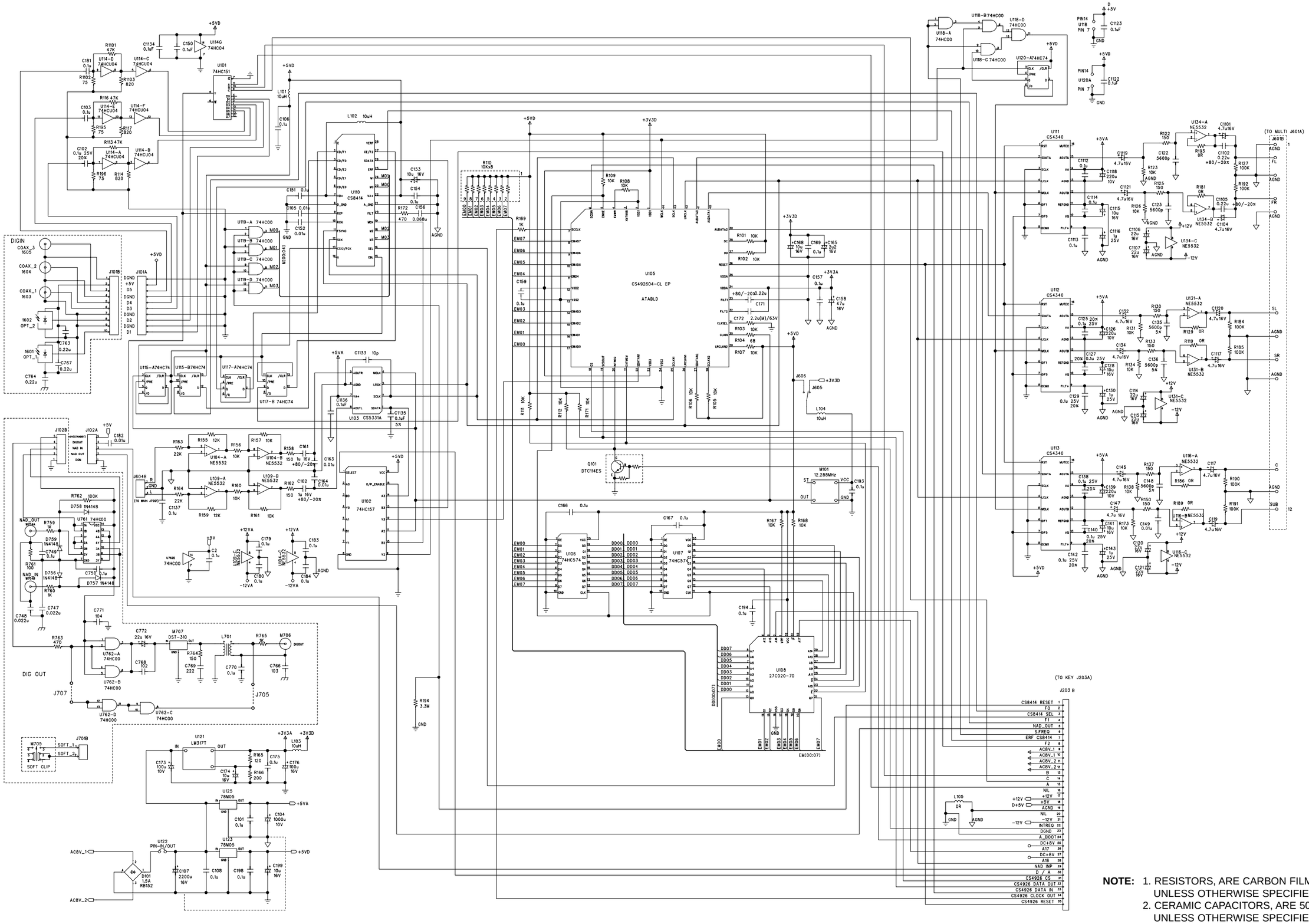
NOTE: 1. RESISTORS, ARE CARBON FILM 5% 1/8W UNLESS OTHERWISE SPECIFIED.
2. CERAMIC CAPACITORS, ARE 50V 10%. UNLESS OTHERWISE SPECIFIED.

KEYBOARD



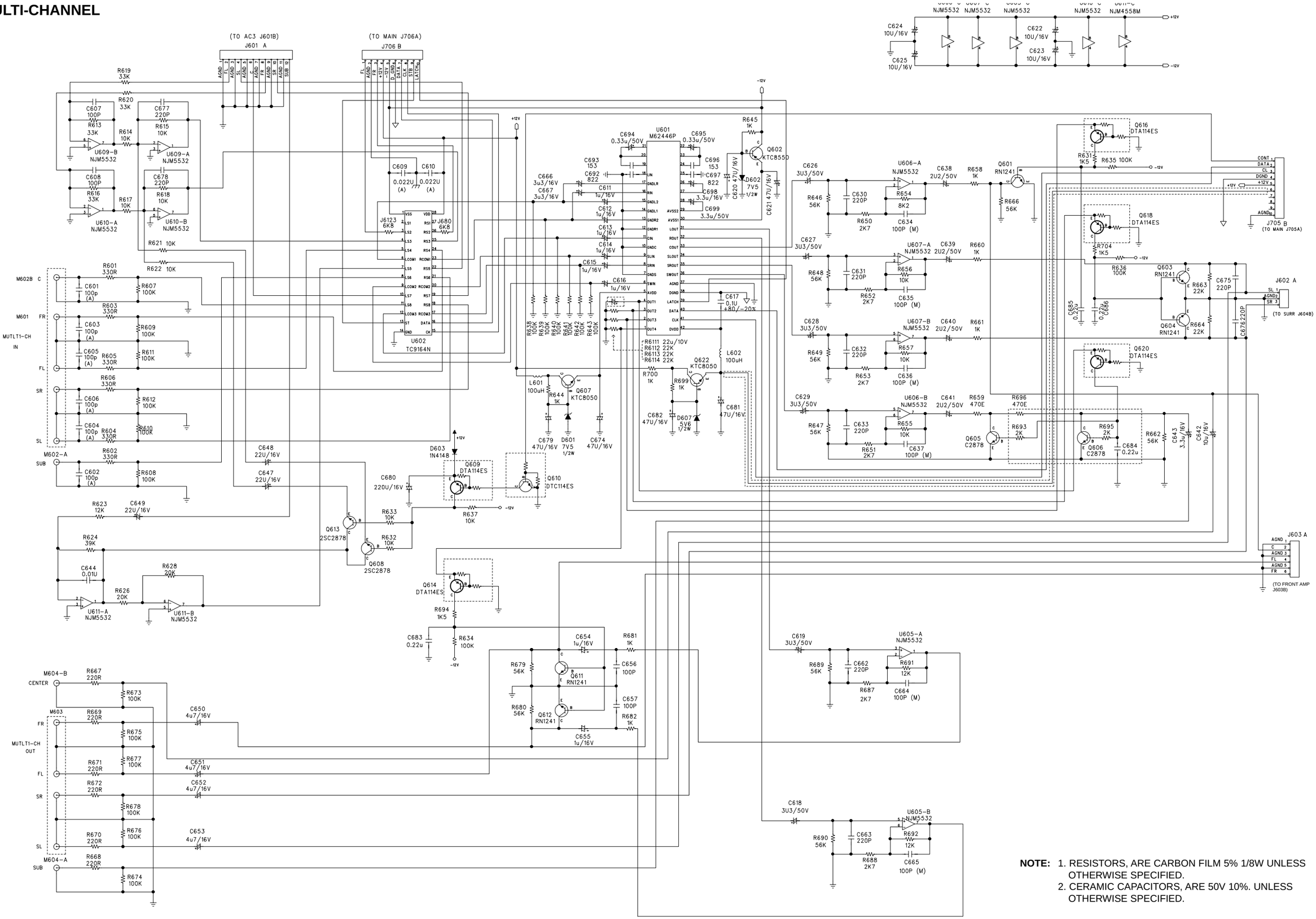
NOTE: 1. RESISTORS, ARE CARBON FILM 5% 1/8W UNLESS OTHERWISE SPECIFIED.
2. CERAMIC CAPACITORS, ARE 50V 10%. UNLESS OTHERWISE SPECIFIED.

AC3 / DTS



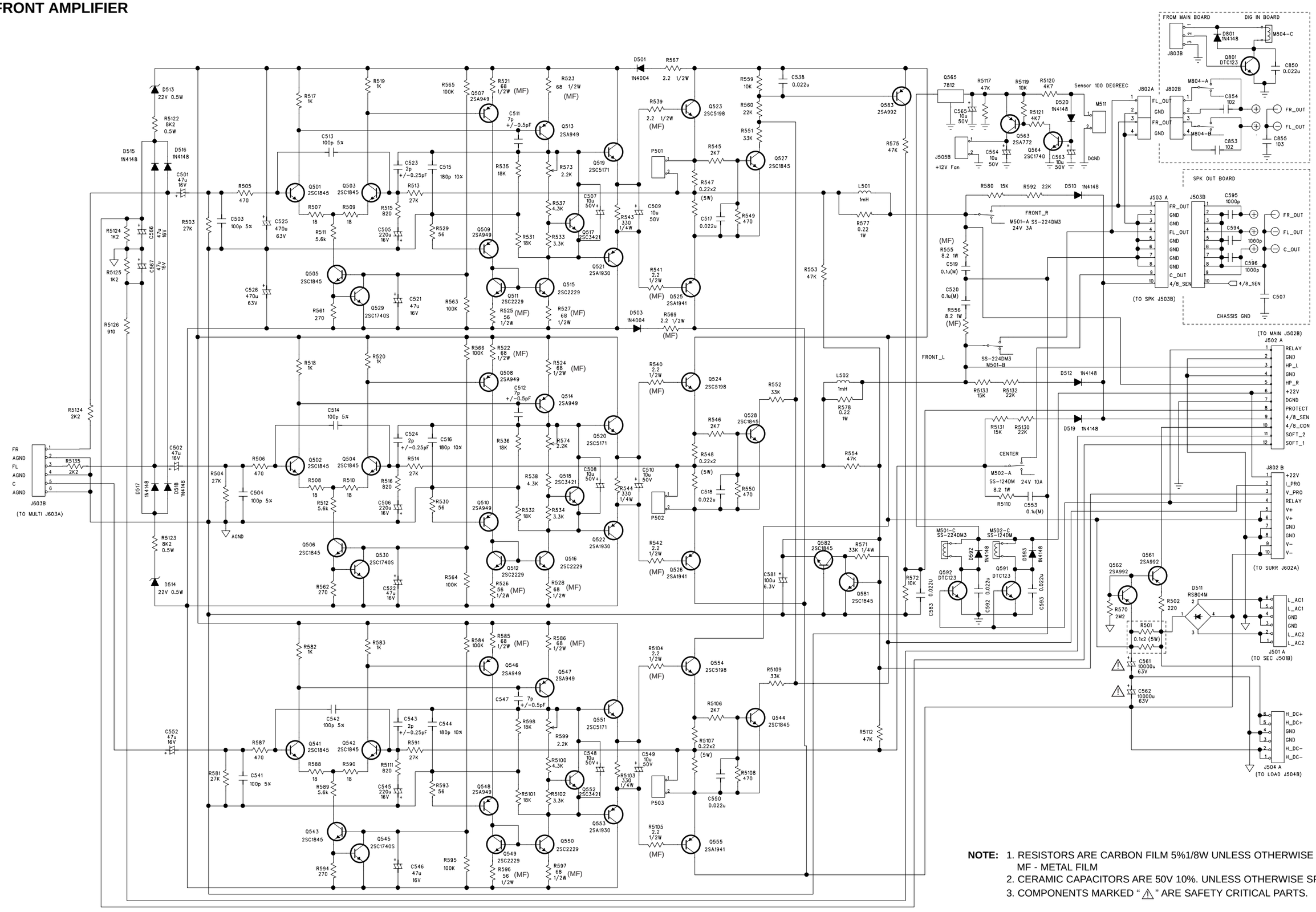
NOTE: 1. RESISTORS, ARE CARBON FILM 5% 1/10W UNLESS OTHERWISE SPECIFIED.
2. CERAMIC CAPACITORS, ARE 50V 10%. UNLESS OTHERWISE SPECIFIED.

MULTI-CHANNEL



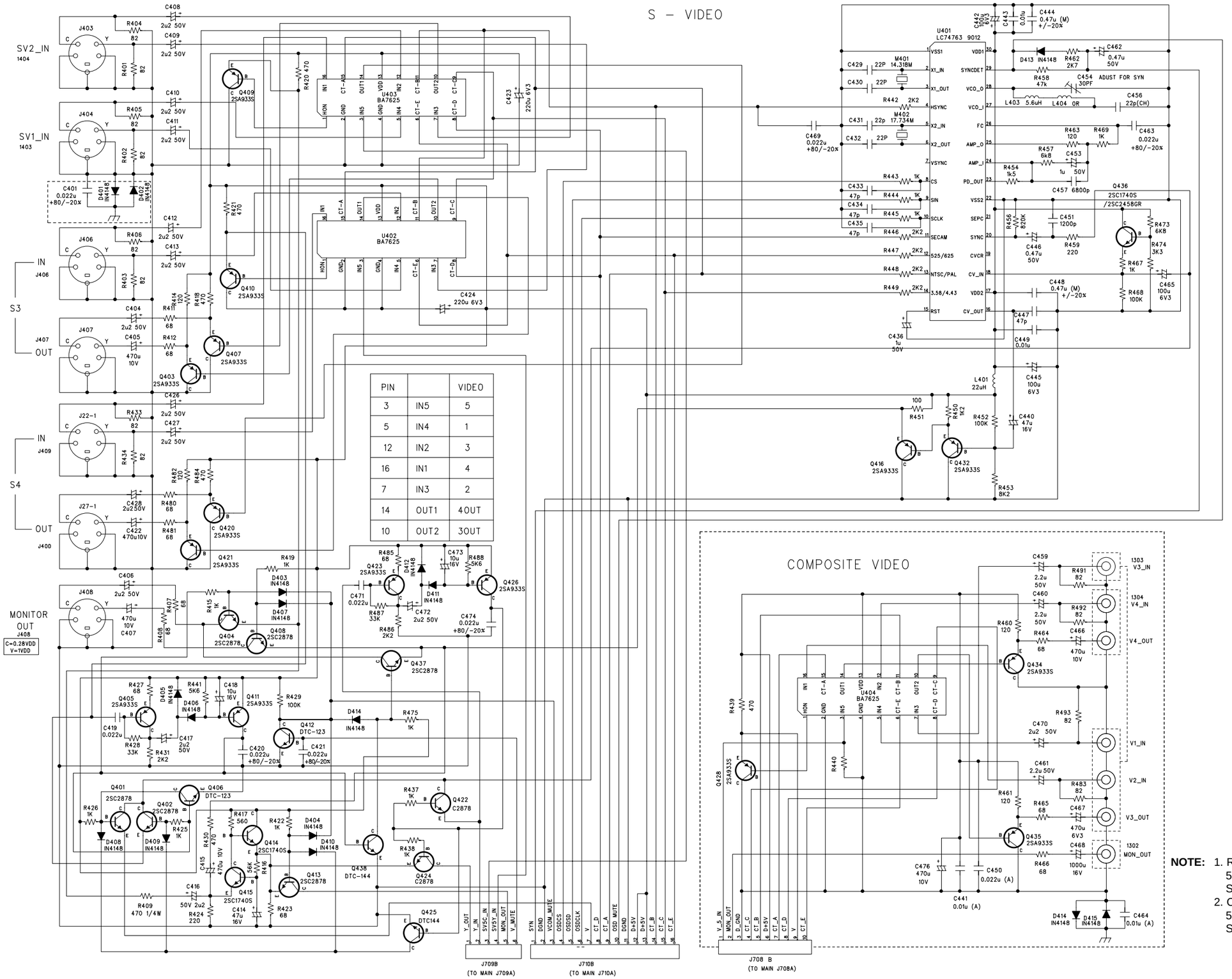
NOTE: 1. RESISTORS, ARE CARBON FILM 5% 1/8W UNLESS OTHERWISE SPECIFIED.
2. CERAMIC CAPACITORS, ARE 50V 10%. UNLESS OTHERWISE SPECIFIED.

FRONT AMPLIFIER



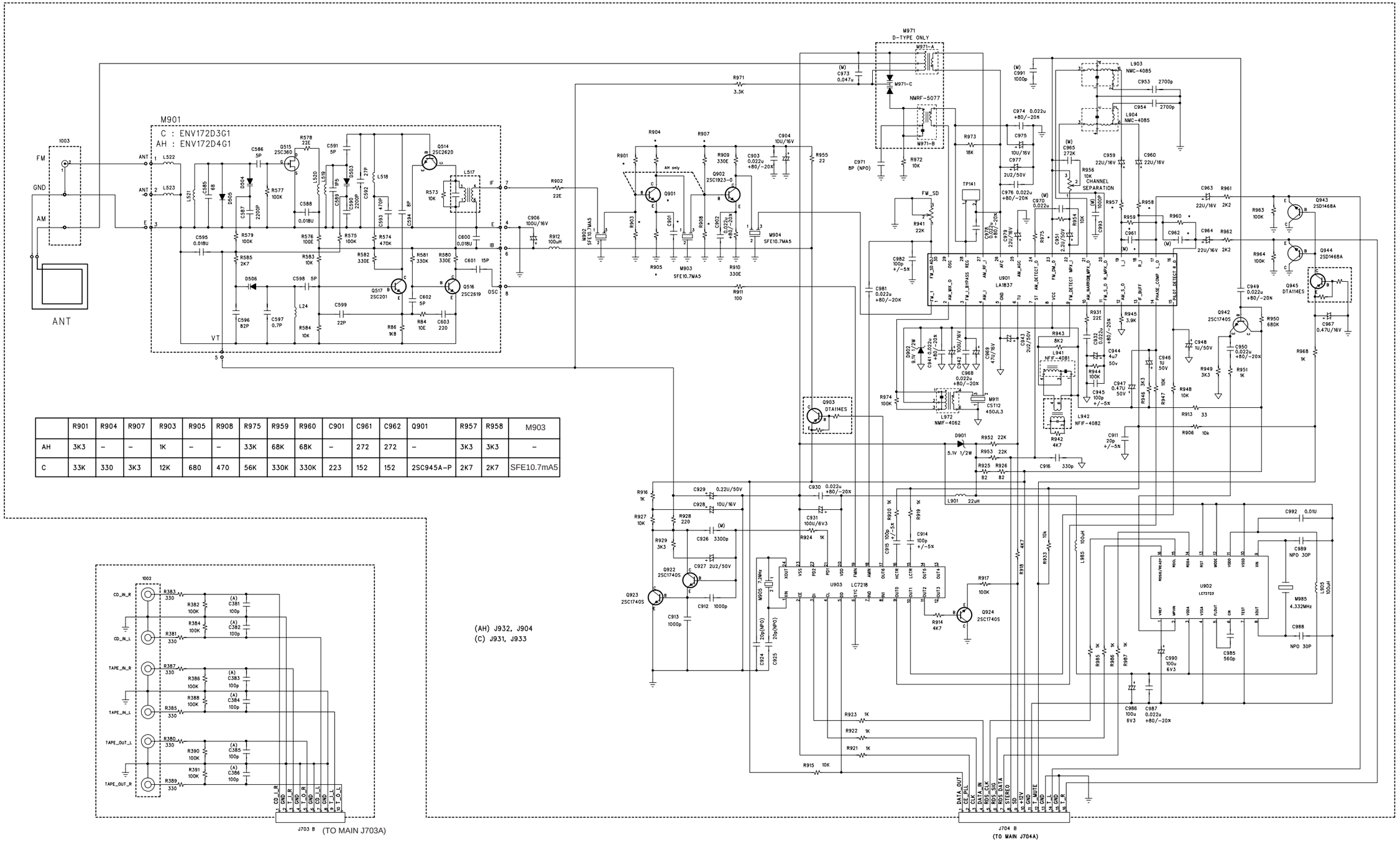
NOTE: 1. RESISTORS ARE CARBON FILM 5%1/8W UNLESS OTHERWISE SPECIFIED.
MF - METAL FILM
2. CERAMIC CAPACITORS ARE 50V 10%. UNLESS OTHERWISE SPECIFIED.
3. COMPONENTS MARKED " ⚠ " ARE SAFETY CRITICAL PARTS.

S-VIDEO / VIDEO



NOTE:
1. RESISTORS ARE CARBON FILM 5%1/8W UNLESS OTHERWISE SPECIFIED.
2. CERAMIC CAPACITORS ARE 50V 10%. UNLESS OTHERWISE SPECIFIED.

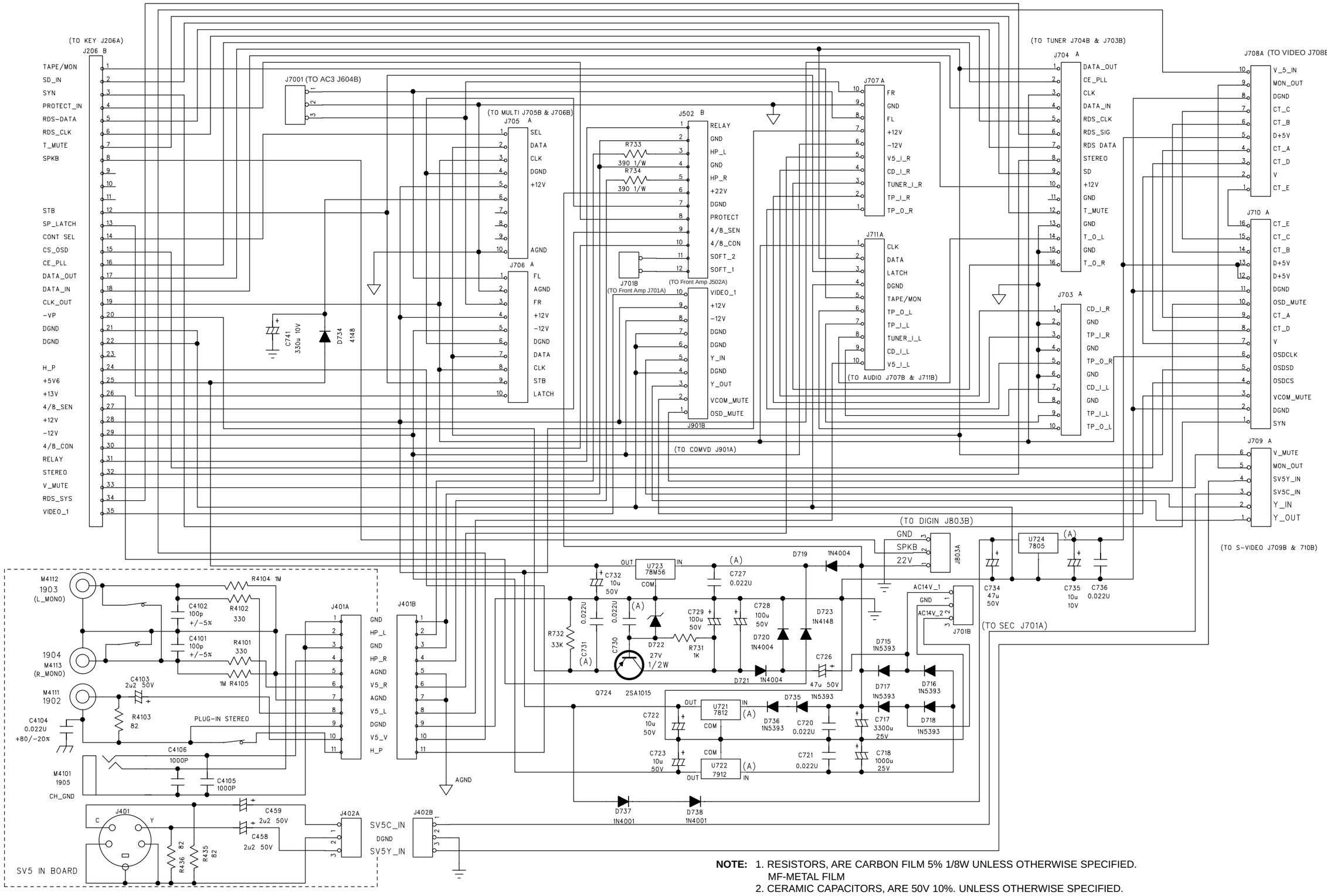
TUNER



	R901	R904	R907	R903	R905	R908	R975	R959	R960	C901	C961	C962	Q901	R957	R958	M903
AH	3K3	–	–	1K	–	–	33K	68K	68K	–	272	272	–	3K3	3K3	–
C	33K	330	3K3	12K	680	470	56K	330K	330K	223	152	152	2SC945A-P	2K7	2K7	SFE10.7mA5

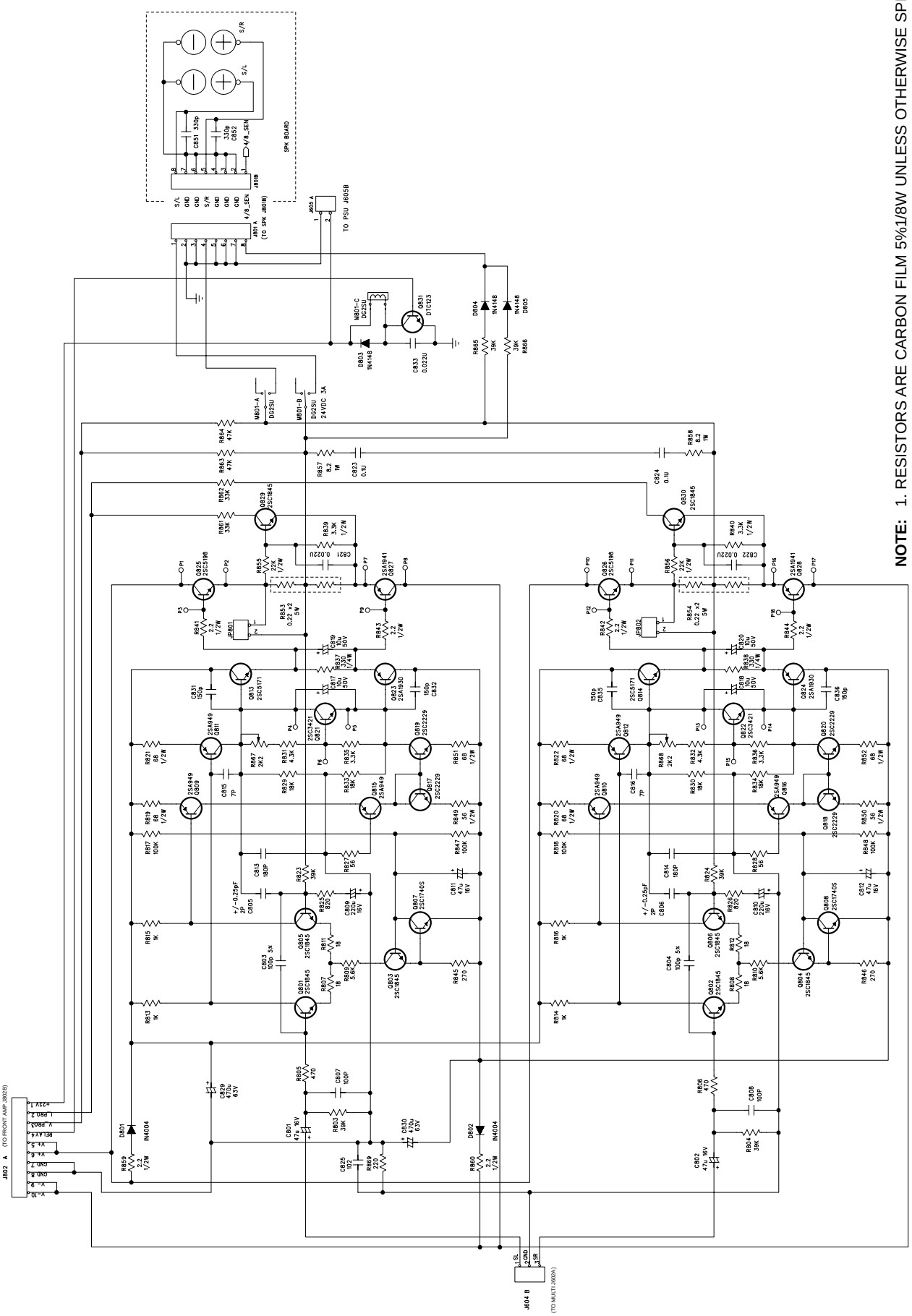
NOTE: 1. RESISTORS, ARE CARBON FILM 5% 1/8W UNLESS OTHERWISE SPECIFIED.
2. CERAMIC CAPACITORS, ARE 50V 10%. UNLESS OTHERWISE SPECIFIED.

MAIN BOARD / VIDEO 5



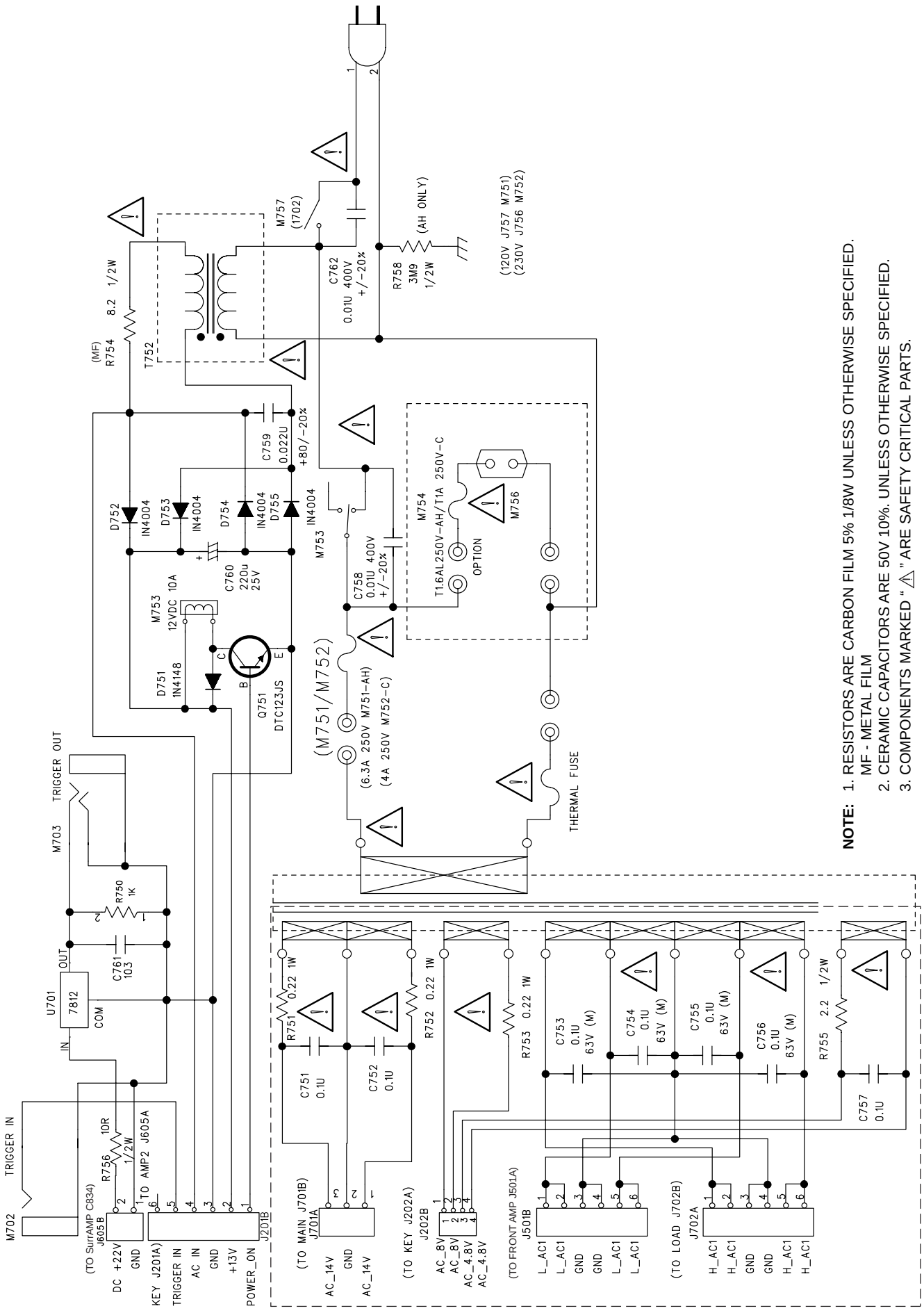
NOTE: 1. RESISTORS, ARE CARBON FILM 5% 1/8W UNLESS OTHERWISE SPECIFIED.
MF-METAL FILM
2. CERAMIC CAPACITORS, ARE 50V 10%. UNLESS OTHERWISE SPECIFIED.

SURROUND AMPLIFIER



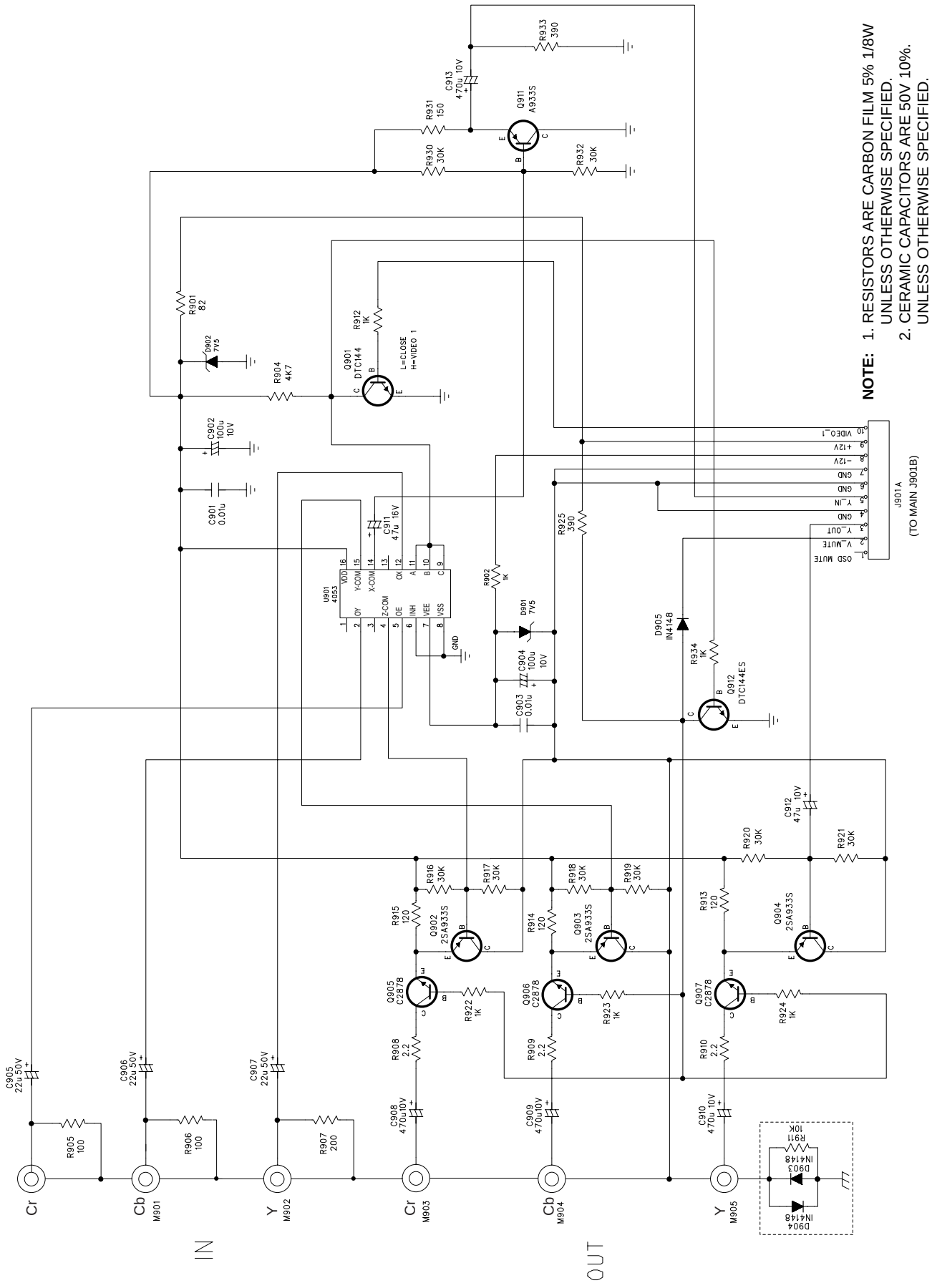
NOTE: 1. RESISTORS ARE CARBON FILM 5%1/8W UNLESS OTHERWISE SPECIFIED.
MF - METAL FILM
2. CERAMIC CAPACITORS ARE 50V 10%. UNLESS OTHERWISE SPECIFIED.
3. COMPONENTS MARKED " ⚠ " ARE SAFETY CRITICAL PARTS.

STANDBY & SECONDARY

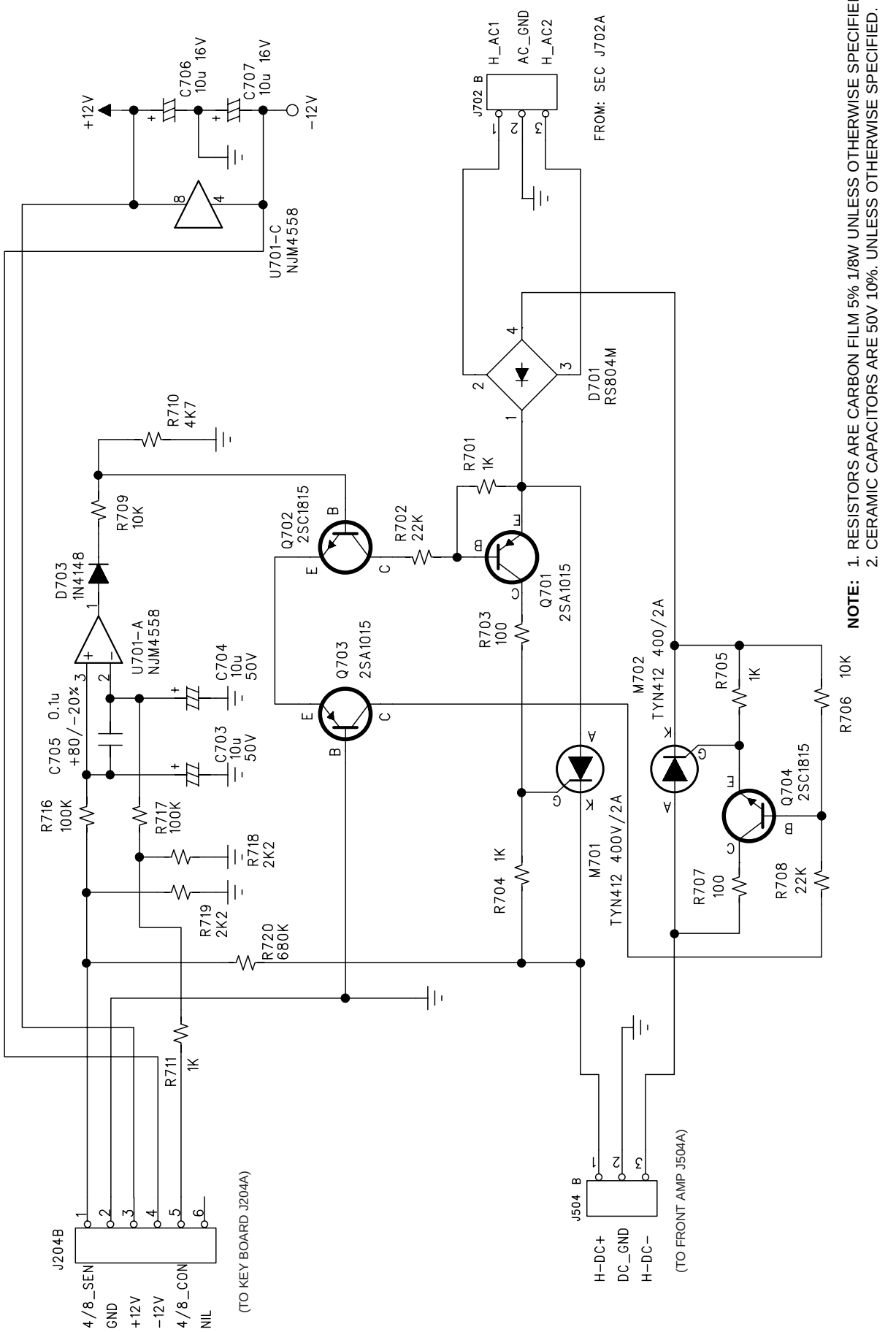


NOTE: 1. RESISTORS ARE CARBON FILM 5% 1/8W UNLESS OTHERWISE SPECIFIED.
MF - METAL FILM
2. CERAMIC CAPACITORS ARE 50V 10%. UNLESS OTHERWISE SPECIFIED.
3. COMPONENTS MARKED " ⚠ " ARE SAFETY CRITICAL PARTS.

COMPONENT VIDEO



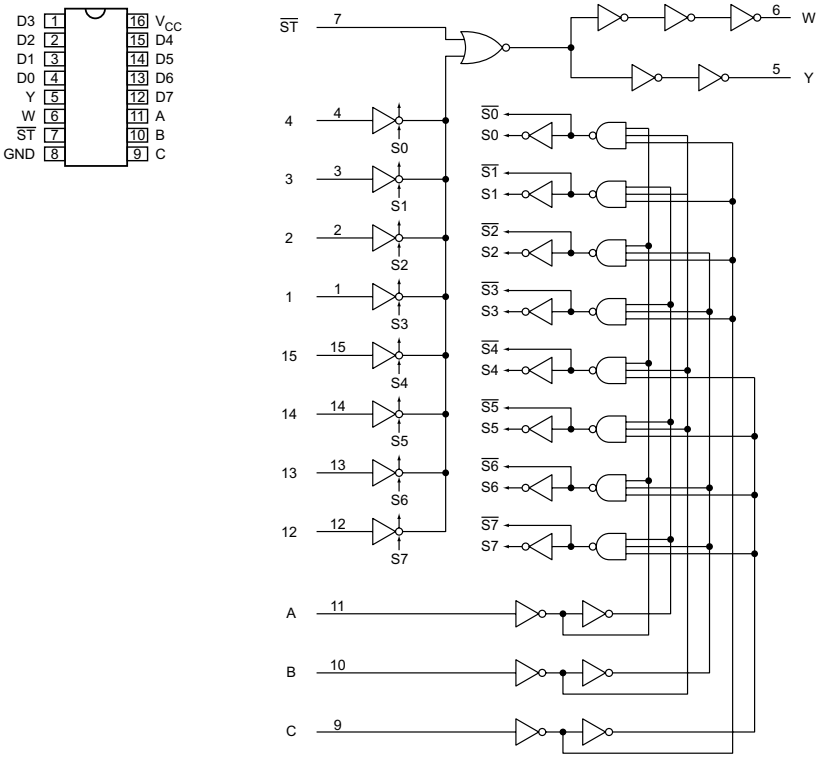
LOAD



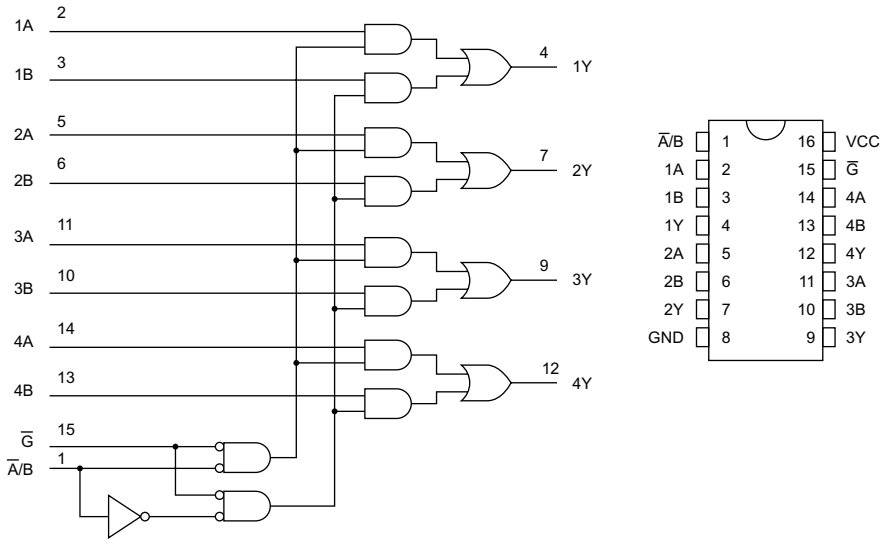
NOTE: 1. RESISTORS ARE CARBON FILM 5% 1/8W UNLESS OTHERWISE SPECIFIED.
2. CERAMIC CAPACITORS ARE 50V 10%. UNLESS OTHERWISE SPECIFIED.

IC BLOCK DIAGRAM

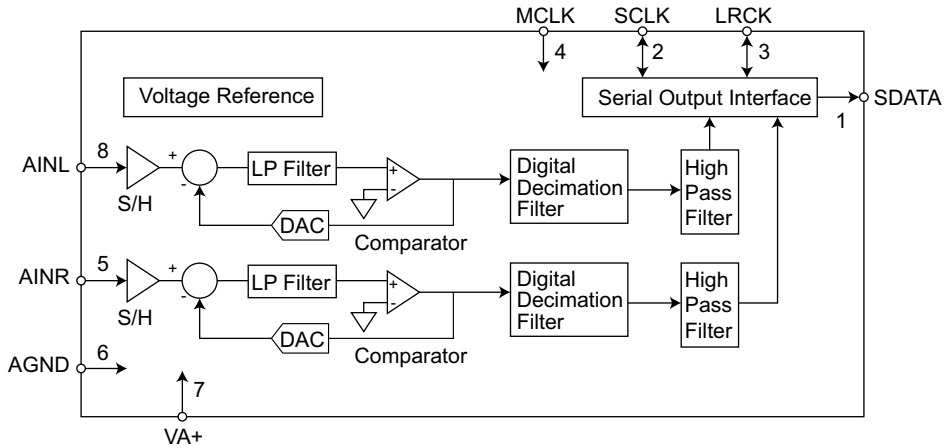
AC3 BOARD
U101: 74HC151



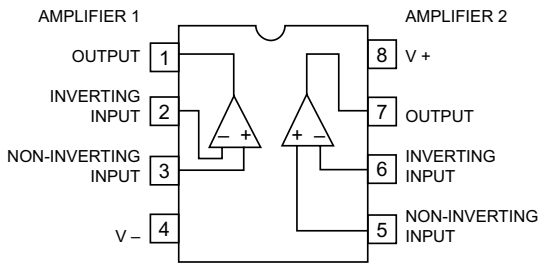
AC3 BOARD
U102: 74HC157



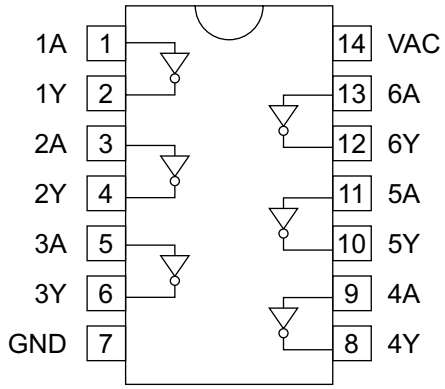
AC3 BOARD
U103: CS5331A



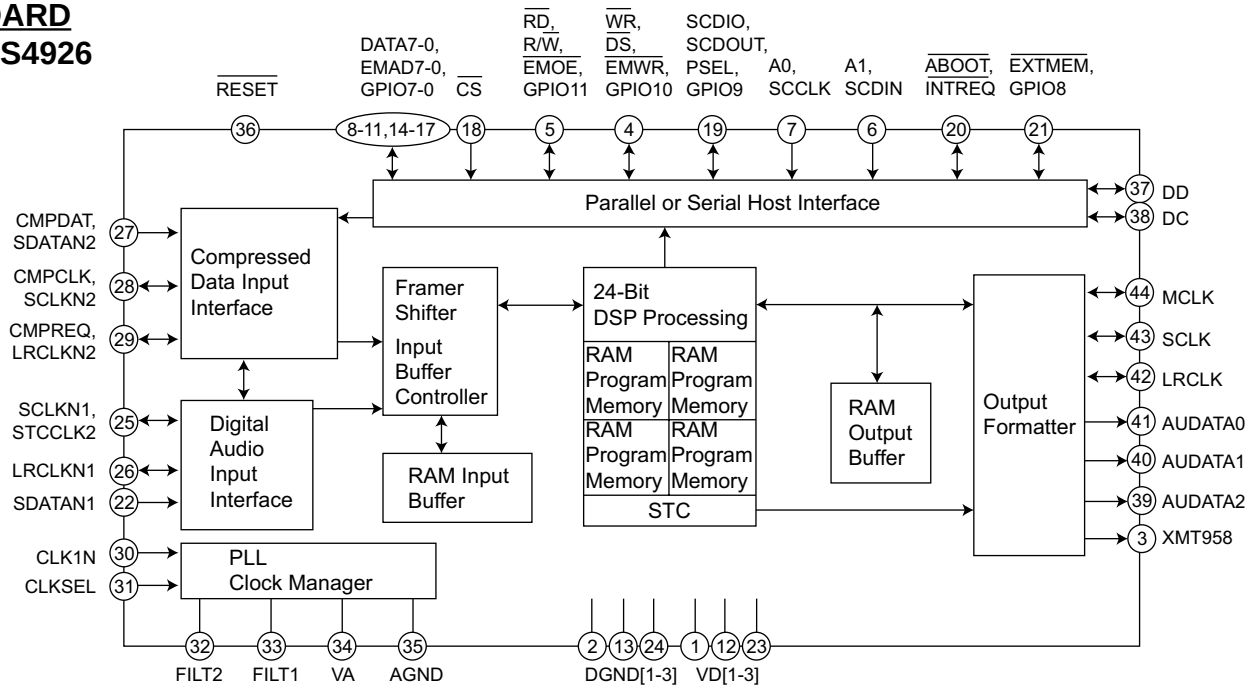
AC3 BOARD
U104, U109, U116, U131
U134: NE5532



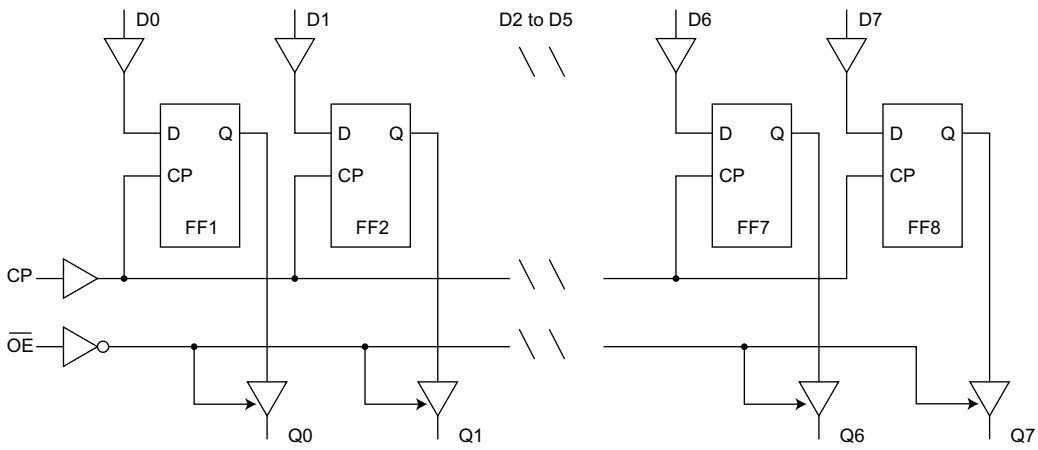
AC3 BOARD
U114: 74HCU04



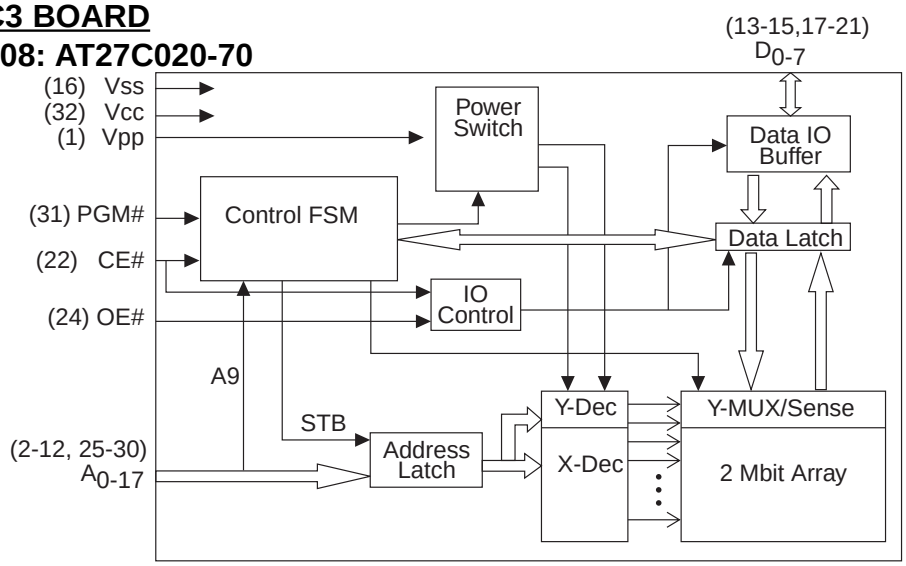
AC3 BOARD
U105: CS4926

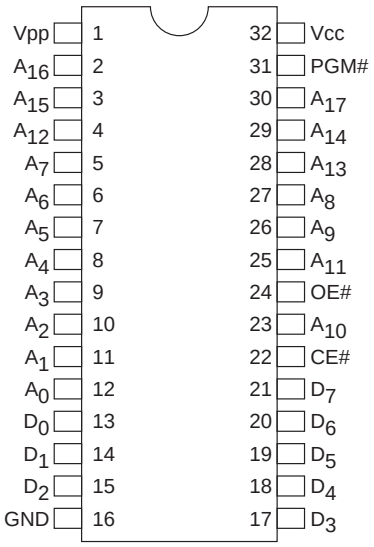


AC3 BOARD
U106, U107: 74HC574

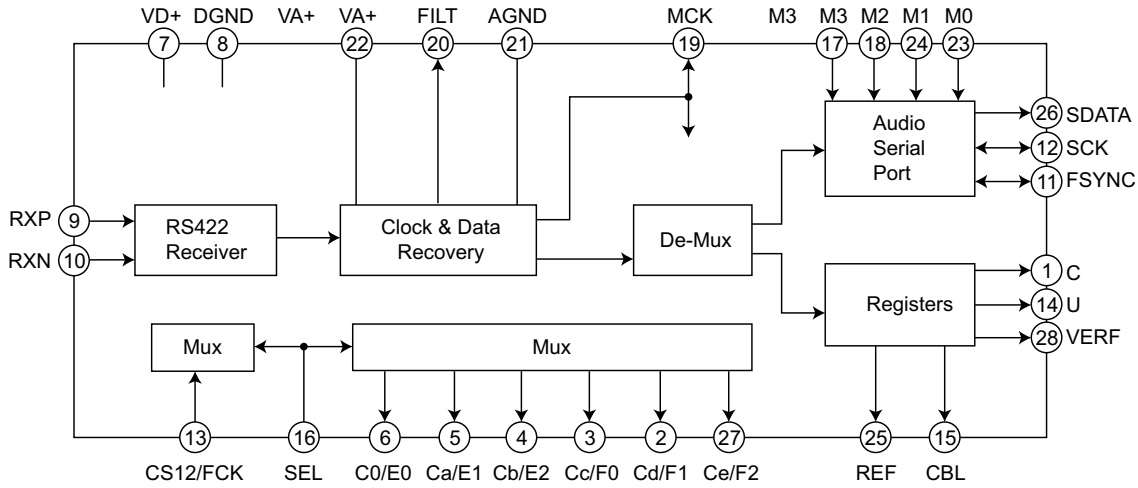


AC3 BOARD
U108: AT27C020-70

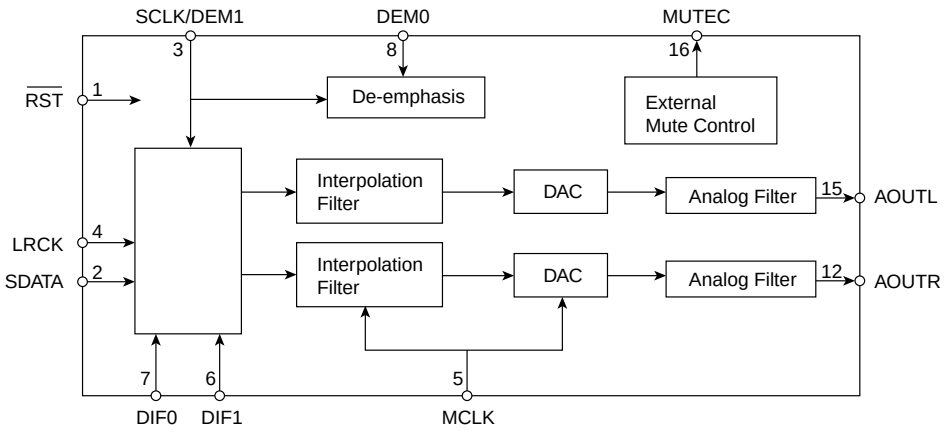




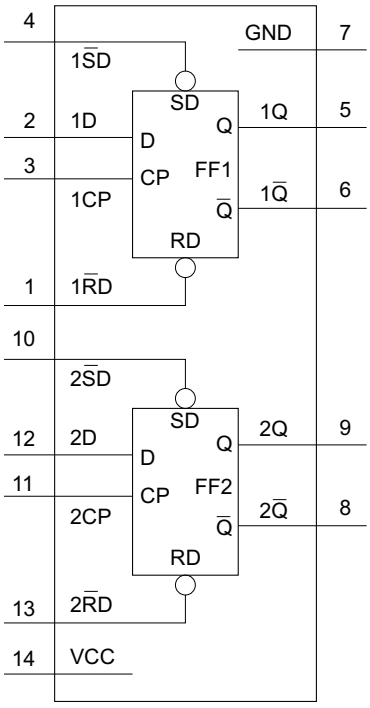
AC3 BOARD
U110: CS8414



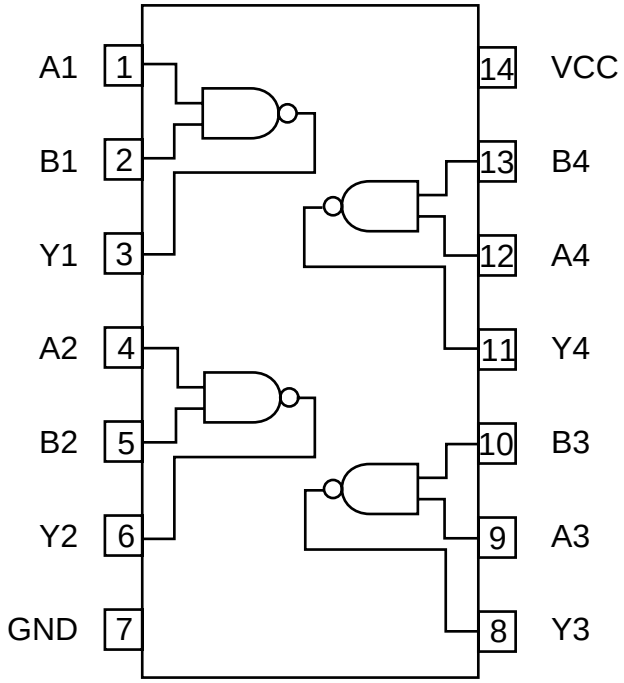
AC3 BOARD
U111-U113: CS4340



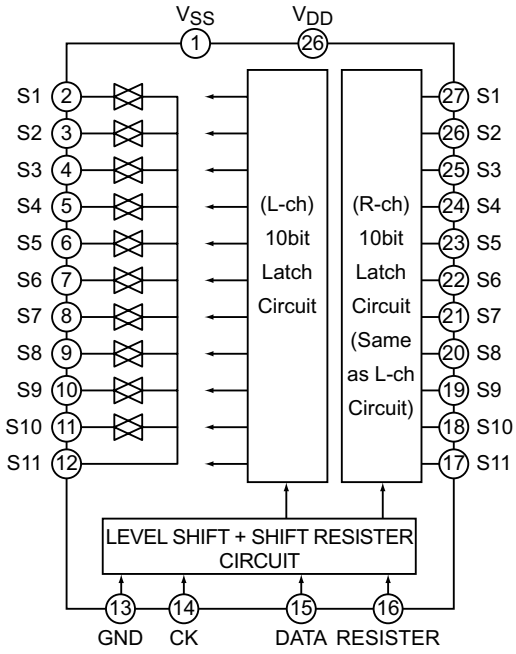
AC3 BOARD
U115,U117, U120: 74HC74



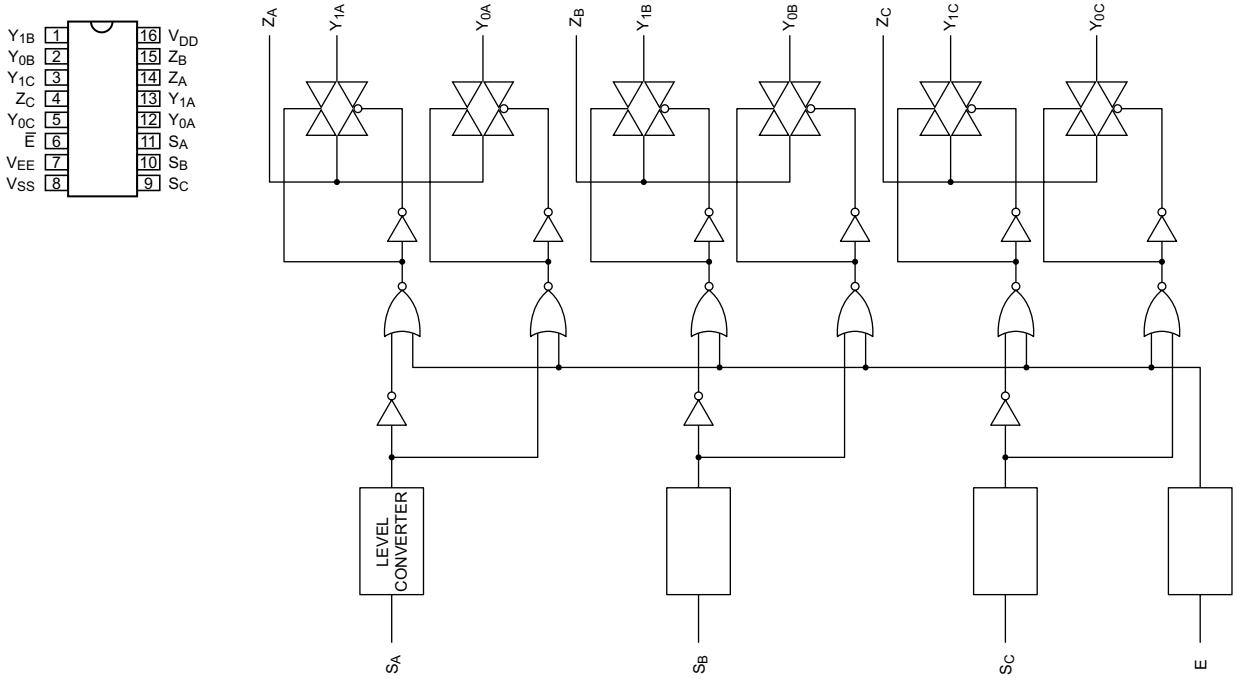
AC3 BOARD
U118-U119: 74HC00



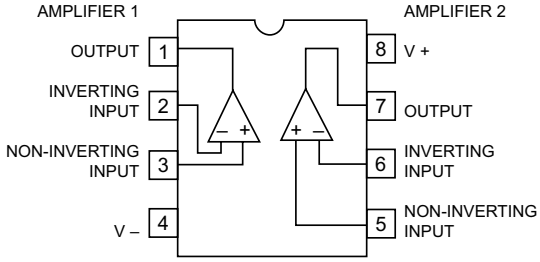
AUDIO BOARD
U301: TC9273N-004



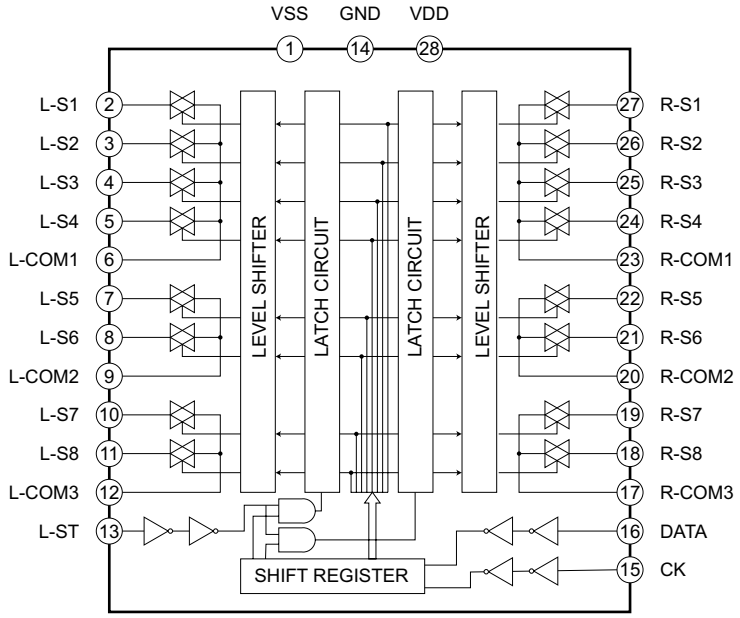
AUDIO BOARD / COMPONET VIDEO BOARD
U302, U901: HCF4053BT



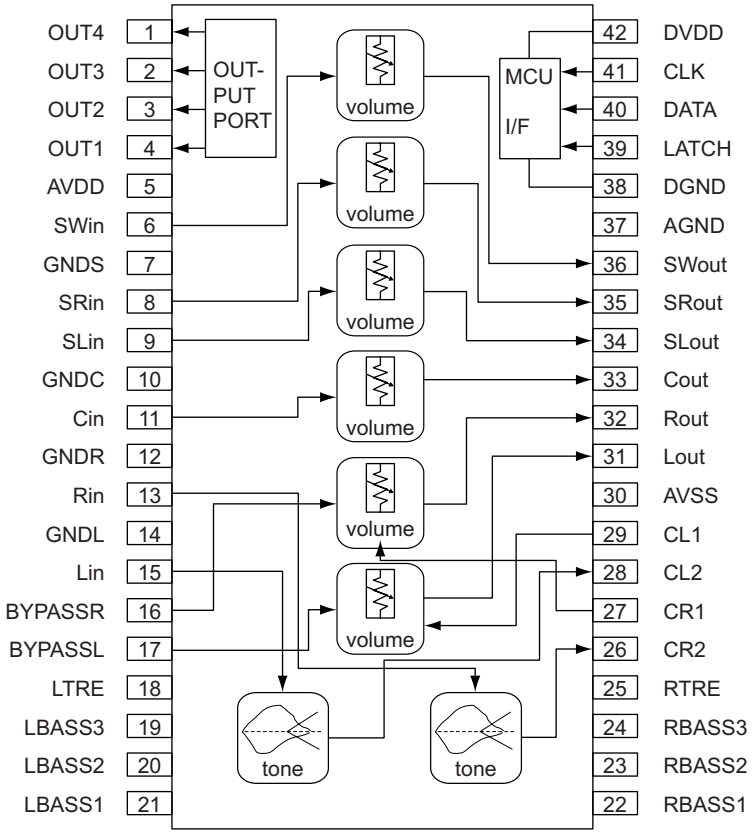
LOAD BOARD
U701: NJM4558D



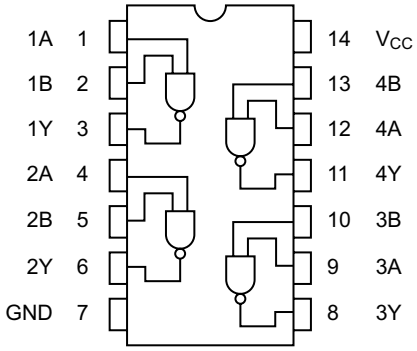
MULTI-CHANNEL BOARD
U602: TC9164AN



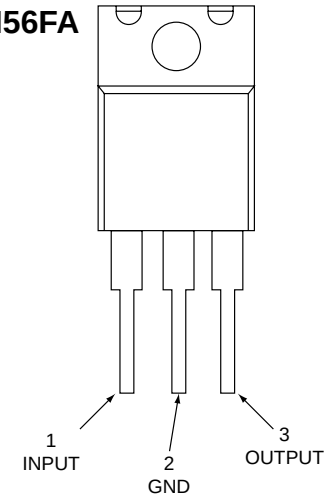
MULTI-CHANNEL BOARD
U601: M62446FP



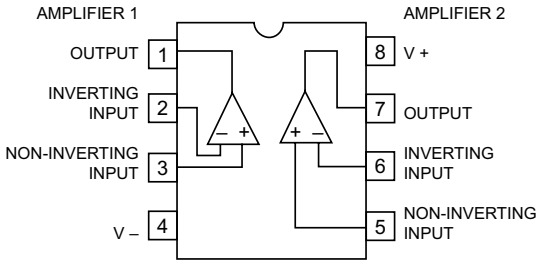
DIGITAL OUT BOARD
U761,U762: 74HCT00



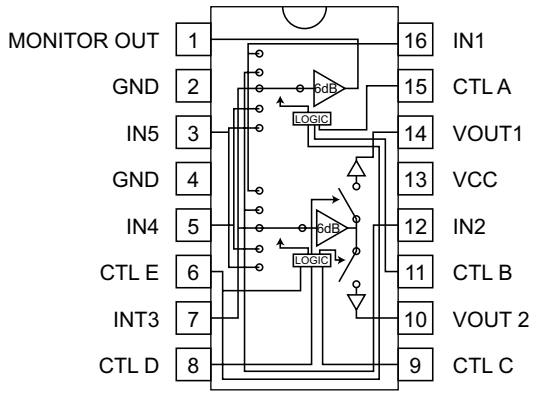
MAIN BOARD
U723: NJM78M56FA



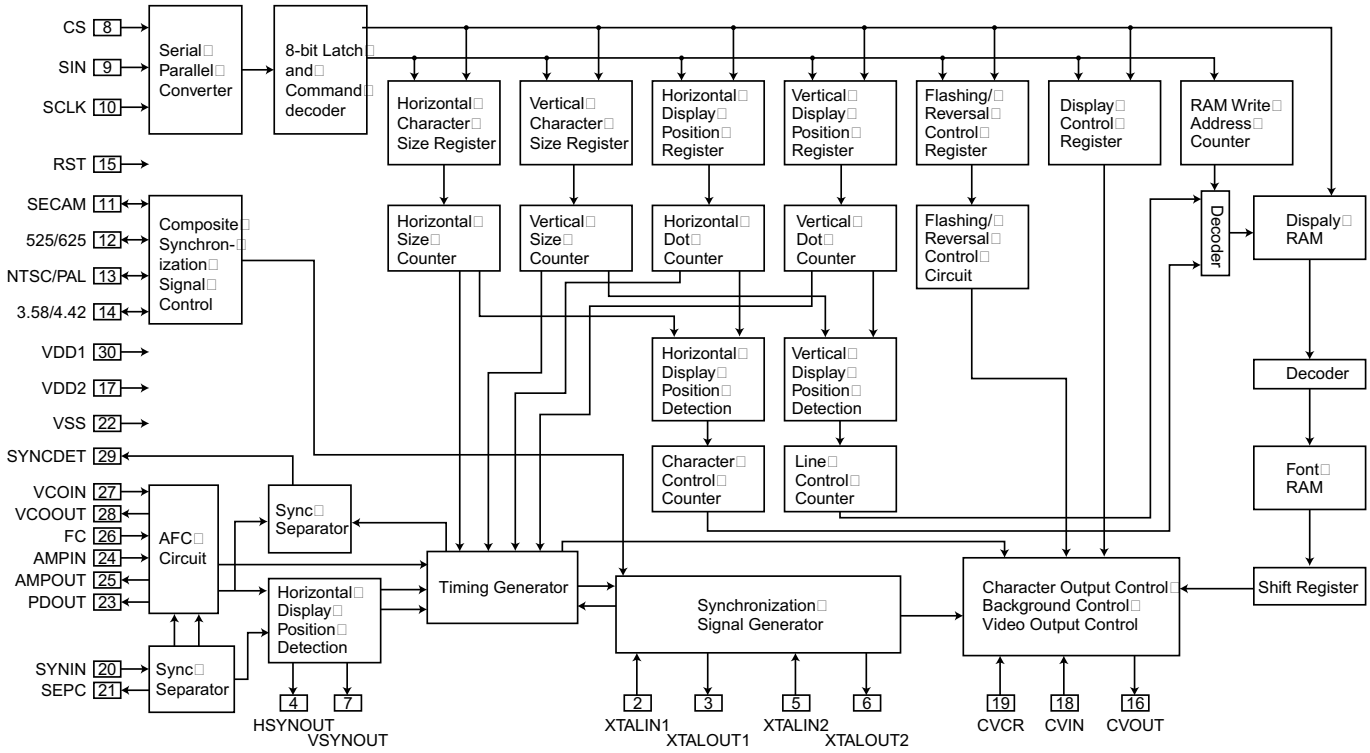
MULTI-CHANNEL BOARD
U605-U607, U609-U611: NJM5532



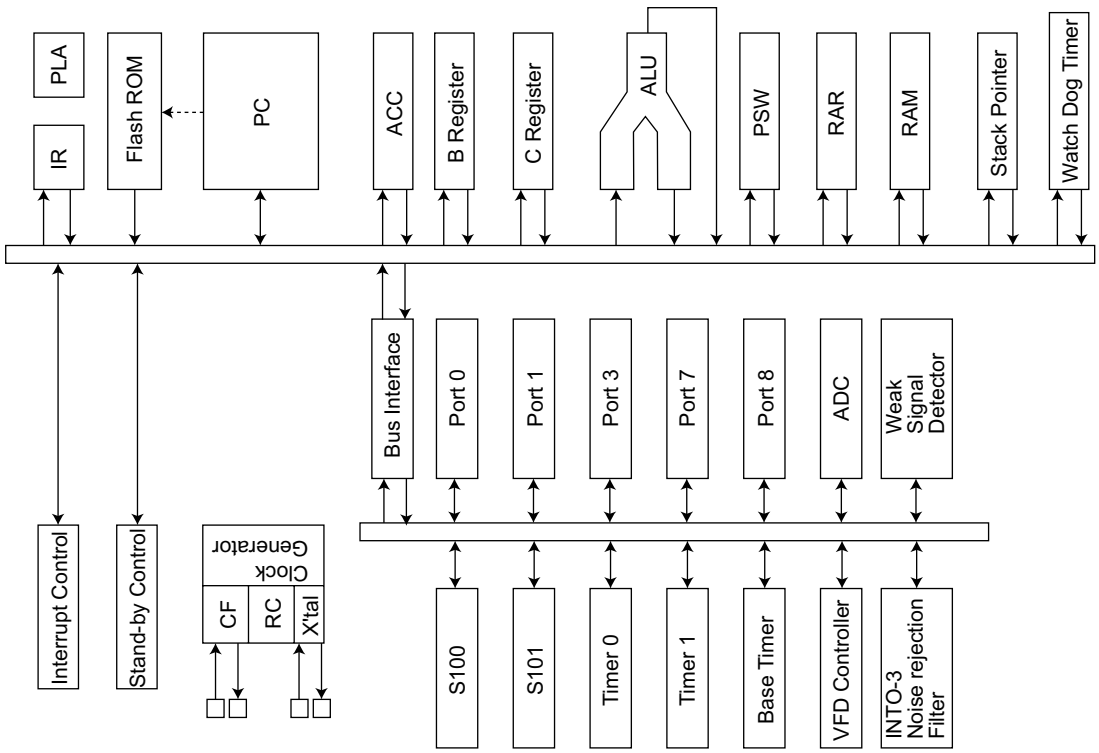
S-VIDEO & VIDEO BOARD
U402-U404: BA7625



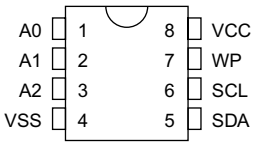
S-VIDEO & VIDEO BOARD
U401: LC74763-9012

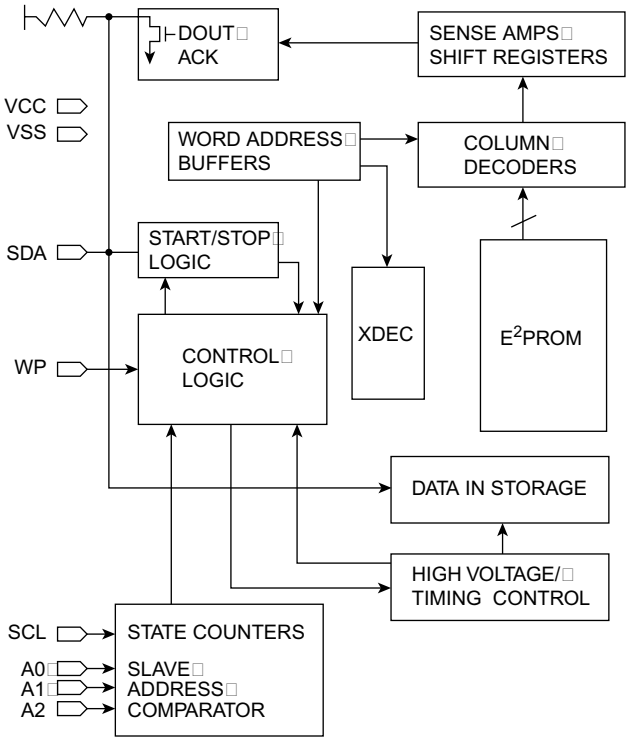


KEY BOARD
U201: LC87F65C8A

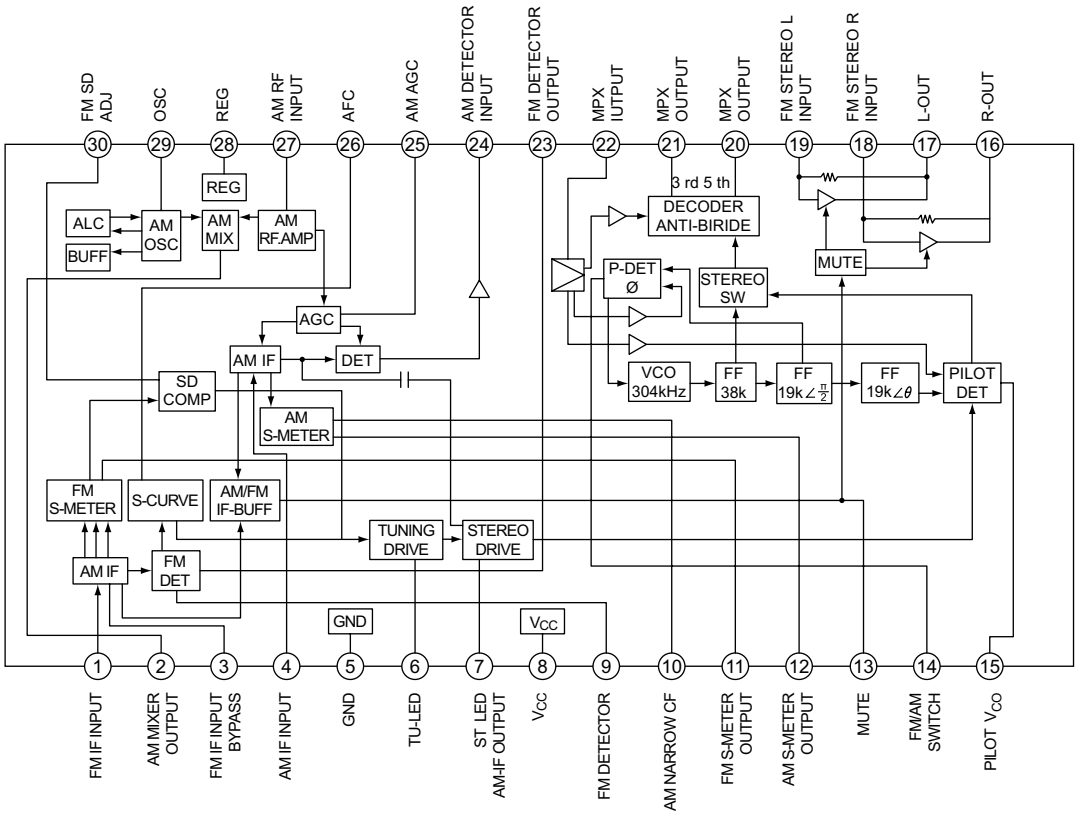


KEY BOARD
U202: AT24C02

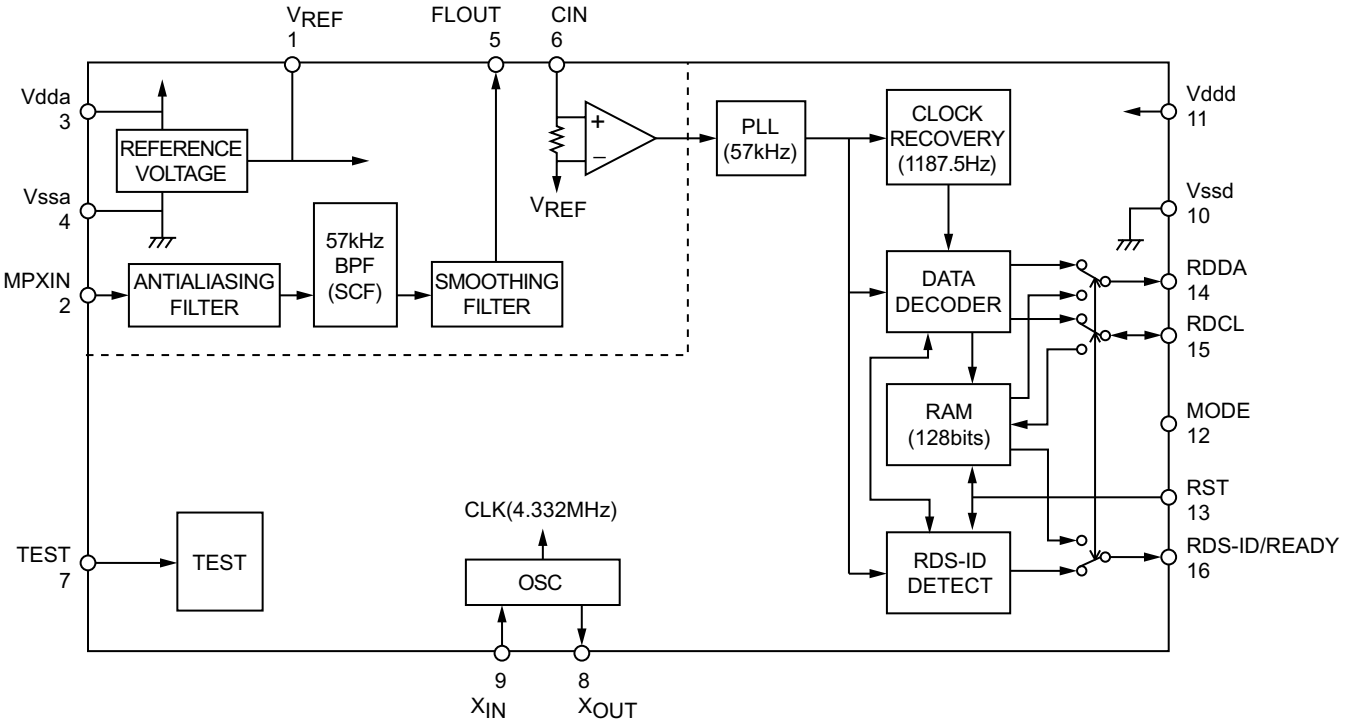




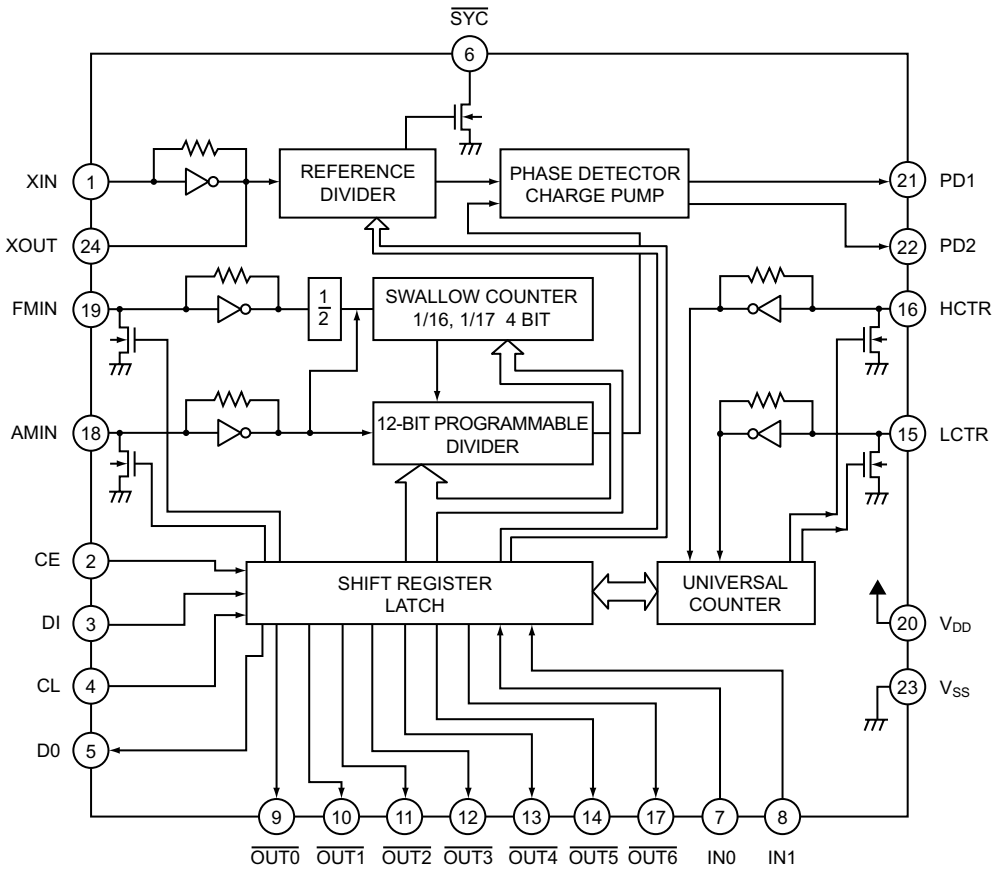
TUNER BOARD
U901: LA1837



TUNER BOARD
U902: LC72723M



TUNER BOARD
U903: LC7218



ELECTRICAL PARTS LIST

Reference No.	Part No.	Description
AC3 BOARD		
PC BOARD		
0001	PCB-N0950C-AC3	AC3 ASSEMBLY
CAPACITORS		
C101, C103	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C102	150E-104M-J-BD	CC 25V 0.1µF 20% 0805
C104	157C-108M-5-S5	CE 10V 1000µF 20% RL 10x16
C105	150F-103K-J-BD	CC 50V 0.01µF 10% 0805
C106, C108	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C107	157D-228M-5-W9	CE 16V 2200µF 20% RL 12x20
C1101, C1104	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C1102, C1105	15FF-224Z-J-BD	CC 50V 0.22µF +80/-20% 0805
C1106, C1107	157D-226M-5-GM	CE 16V 22µF 20% RL 4x7
C1112-C1114, C1122	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C1123, C1131, C1132	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C1134, C1136, C1137	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C1115	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C1116	157E-105M-5-EI	CE 25V 1µF 20% RL 3x5
C1117	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C1118	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C1119-C1121	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C1135	150F-100J-J-BD	CC 50V 10pF 5% 0805
C114, C115	157D-226M-5-GM	CE 16V 22µF 20% RL 4x7
C117, C119	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C120, C121	157D-226M-5-GM	CE 16V 22µF 20% RL 4x7
C122, C123	150F-562J-J-BD	CC 50V 5600pF 5% 0805
C125	150E-104M-J-BD	CC 25V 0.1µF 20% 0805
C126	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C127	150E-104M-J-BD	CC 25V 0.1µF 20% 0805
C128	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C129	150E-104M-J-BD	CC 25V 0.1µF 20% 0805
C132, C134	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C135, C136	150F-562J-J-BD	CC 50V 5600pF 5% 0805
C138	150E-104M-J-BD	CC 25V 0.1µF 20% 0805
C139	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C140	150E-104M-J-BD	CC 25V 0.1µF 20% 0805
C141	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C142	150E-104M-J-BD	CC 25V 0.1µF 20% 0805
C143	157E-105M-5-EI	CE 25V 1µF 20% RL 3x5
C145, C147	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C148	150F-562J-J-BD	CC 50V 5600pF 5% 0805
C149, C152	150F-103K-J-BD	CC 50V 0.01µF 10% 0805
C150, C151, C157	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C156	150F-683M-J-BD	CC 50V 0.068µF 20% 0805
C158	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C159	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C161, C162	15FD-105Z-J-BD	CC 16V 1µF +80/-20% 0805
C165	157D-225M-5-GM	CE 16V 2.2µF 20% RL 4x7
C166, C167, C169	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C168	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C1102, C1105	15FF-224Z-J-BD	CC 50V 0.22µF +80/-20% 0805
C172	153F-225J-5-TOM	CM 50V 2.2µF RL 10X8 METALLIZED
C173	157C-107M-5-IU	CE 10V 100µF 20% RL 5x11

Reference No.	Part No.	Description
C174	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C175	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C176	157C-107M-5-IU	CE 10V 100µF 20% RL 5x11
C179-C180, C183-C184	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C199	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C181	150E-104M-J-BD	CC 25V 0.1µF 20% 0805
C182	150F-103K-J-BD	CC 50V 0.01µF 10% 0805
C193, C194, C198	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
DIODE		
D101	4840-0490-0	BRIDGE RECTIFIER RB152 100V 105A
HEATSINKS		
H-U121	5400-0831-0	HEATSINK (214) 20MM-HIGH HOLE
H-U123	5400-9130-0	HEAT SINK FOR 7805 2438-17
COILS		
L101-L104	1801-100K-M	COIL 10µH 10% BL7.0
CRYSTAL		
M101	2300-3060-0	X'TAL 12.288MHZ +/-20PPM HCMOS/TTL OSCILLA TOR
TRANSISTOR		
Q101	485C-114E-5	TR DTC114ES
RESISTORS		
R101-R103	4720-103J-J	RMG 1/10W 10K 5% 0805
R104	4720-680J-J	RMG 1/10W 68R 5% 0805
R105-R109	4720-103J-J	RMG 1/10W 10K 5% 0805
R110	4707-103C-5-8	RCFA 1/2W 10K 2% RL 8 9P SIP 4609X-101-103
R1100	4720-750J-J	RMG 1/10W 75R 5% 0805
R1101	4720-473J-J	RMG 1/10W 47K 5% 0805
R111, R112	4720-103J-J	RMG 1/10W 10K 5% 0805
R113	4720-473J-J	RMG 1/10W 47K 5% 0805
R115	4720-750J-J	RMG 1/10W 75R 5% 0805
R116	4720-473J-J	RMG 1/10W 47K 5% 0805
R118	4720-750J-J	RMG 1/10W 75R 5% 0805
R119	4720-000J-J	RMG 1/10W 0R 5% 0805
R122	4720-151J-J	RMG 1/10W 150R 5% 0805
R123	4720-103J-J	RMG 1/10W 10K 5% 0805
R125	4720-151J-J	RMG 1/10W 150R 5% 0805
R126	4720-103J-J	RMG 1/10W 10K 5% 0805
R127	4720-104J-J	RMG 1/10W 100K 5% 0805
R129	4720-000J-J	RMG 1/10W 0R 5% 0805
R130	4720-151J-J	RMG 1/10W 150R 5% 0805
R131	4720-103J-J	RMG 1/10W 10K 5% 0805
R133	4720-151J-J	RMG 1/10W 150R 5% 0805
R134	4720-103J-J	RMG 1/10W 10K 5% 0805
R135, R136	4720-102J-J	RMG 1/10W 1K 5% 0805
R137	4720-151J-J	RMG 1/10W 150R 5% 0805
R138	4720-103J-J	RMG 1/10W 10K 5% 0805
R139	4720-102J-J	RMG 1/10W 1K 5% 0805
R140	4720-101J-J	RMG 1/10W 100R 5% 0805
R150	4720-151J-J	RMG 1/10W 150R 5% 0805
R155	4720-153J-J	RMG 1/10W 15K 5% 0805
R156, R157	4720-103J-J	RMG 1/10W 10K 5% 0805
R158	4720-151J-J	RMG 1/10W 150R 5% 0805
R159	4720-153J-J	RMG 1/10W 15K 5% 0805
R160, R161	4720-103J-J	RMG 1/10W 10K 5% 0805

Reference No.	Part No.	Description
R162	4720-151J-J	RMG 1/10W 150R 5% 0805
R163, R164	4720-223J-J	RMG 1/10W 22K 5% 0805
R165	4720-121J-J	RMG 1/10W 120R 5% 0805
R166	4720-201J-J	RMG 1/10W 200R 5% 0805
R167, R168	4720-103J-J	RMG 1/10W 10K 5% 0805
R169	4720-102J-J	RMG 1/10W 1K 5% 0805
R171	4720-103J-J	RMG 1/10W 10K 5% 0805
R172	4720-471J-J	RMG 1/10W 470R 5% 0805
R173	4720-103J-J	RMG 1/10W 10K 5% 0805
R181	4720-000J-J	RMG 1/10W 0R 5% 0805
R184, R185	4720-104J-J	RMG 1/10W 100K 5% 0805
R186, R189	4720-000J-J	RMG 1/10W 0R 5% 0805
R190-R192	4720-104J-J	RMG 1/10W 100K 5% 0805
R193	4720-000J-J	RMG 1/10W 0R 5% 0805
R194	4720-335J-J	RMG 1/10W 3.3M 5% 0805
ICs		
U101	3131-7230-0	IC 74HC151 QUAD 4-PIN MUX SOP16 SMD
U102	3131-3870-0	IC 74HC157 QUAD 2-INPUT MUX SO16
U103	3131-3700-0	IC CS5331A 18BIT A/D CONVERTER CRYSTAL
U104	3130-9560-0	NJM5532 IC 'DIP8'
U105	3131-3720-0	IC CS4926 DSP CRYSTAL
U106, U107	3130-8980-0	IC 74HC574 8X D-TYPE LATCHES
U108	3131-9320-0	IC AT27C020-70 256Kx8
U109	3130-9560-0	NJM5532 IC 'DIP8'
U110	3130-8890-0	IC CS8414 DIR 96KHZ 24BIT
U111-U113	3131-3710-0	IC CS4340 D/A CONVERTER CRYSTAL
U114	3131-9100-0	IC 74HCU04 HEX INVERTERS (SOP)
U115	3130-6590-0	IC 74HC74 DUAL D-TYPE FLIP-FLOP
U116	3130-9560-0	NJM5532 IC 'DIP8'
U117	3130-6590-0	IC 74HC74 DUAL D-TYPE
U118, U119	3131-9050-0	IC 74HC00 QUAD 2I/P NAND GATE SOP
U120	3130-6590-0	IC 74HC74 DUAL D-TYPE
U121	3130-5610-0	IC LM317T+ADJ REGULATOR
U123, U125	3130-2020-2	IC 7805 REG 5V
U131, U134	3130-9560-0	NJM5532 IC 'DIP8'
FRONT AMP BOARD		
PC BOARD		
0002	PCB-N0950C-AMP1	POWER AMP L/R/C ASSEMBLY
CAPACITORS		
C501, C502	157D-476M-5-IM	CE 16V 47µF 20% RL 5x7
C503, C504	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C505, C506	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C507-C510	157F-106M-5-IU	CE 50V 10µF 20% RL 5x11
C511, C512	150F-070D-5-GG	CC 50V 7pF 0.5pF RL 4x4
C513, C514	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C515, C516	150F-181K-5-GG	CC 50V 180pF 10% RL 4x4
C517, C518	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C519, C520	153F-104J-5-QUN	CM 50V 0.1µF RL (9X11) POLYESTER
C521, C522	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C523, C524	15CH-020C-5-GG	CTC 0/60 2pF 0.25pF RL 4x4
C525, C526	157I-477M-5-X&	CE 63V 470µF 20% RL 12.5x25
C538	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C541, C542	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C543	15CH-020C-5-GG	CTC 0/60 2pF 0.25pF RL 4x4
C544	150F-181K-5-GG	CC 50V 180pF 10% RL 4x4
C545	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C546	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11

Reference No.	Part No.	Description
C547	150F-070D-5-GG	CC 50V 7pF 0.5pF RL 4x4
C548, C549	157F-106M-5-IU	CE 50V 10µF 20% RL 5x11
C550	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C552	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C553	153F-104J-5-QUN	CM 50V 0.1µF RL (9x11)
C561, C562	8910-0494-0	CE 63V 12000µF 20% RL 30X50
C563-C565	157F-106M-5-GM	CE 50V 10µF 20% RL 4x7
C566, C567	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C581	157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C583, C592, C593	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
DIODES		
D501, D503	4804-0040-1	DIODE 1N4004 AL
D510	4804-1480-C	DIODE 1N4148 ATS
D511	4840-7060-0	DIODE BRIDGE RS804M
D512	4804-1480-C	DIODE 1N4148 ATS
D513-D520	4840-0850-0	ZD 1/2W 21.52-22.63V AT
D592, D593	4804-1480-C	DIODE 1N4148 ATS
COILS		
L501, L502	1804-0540-0	SPRING COIL 1MH
RELAYS		
M501	4500-0910-0	RELAY 24VDC,125VA,3A
M502	4500-0900-0	RELAY 24VDC,250VAC,10A
THERMISTOR		
M511 ⚠	8910-0489-0	THERMISTOR 100C PTH9M04BD222TS2F333
TRANSISTORS		
Q501-Q506	4860-0190-5	TR 2SC 1845 (F.E) RL
Q507-Q510	485A-9490-5	TR 2SA949-O HFE 70-140 TOSHIBA
Q511, Q512	485C-2229-5	TR 2SC2229-0 HFE 70-140 TOSHIBA
Q513, Q514	485A-9490-5	TR 2SA949-O HFE 70-140 TOSHIBA
Q515, Q516	485C-2229-5	TR 2SC2229-0 HFE 70-140
Q517, Q518	4860-1220-5	TR 2SC3421 (0,Y) RL TSB
Q519, Q520	485C-5171-5	TR 2SC5171 HFE 100-320
Q521, Q522	485A-1930-5	TR 2SA1930 HFE 100-320
Q523, Q524	4860-5210-5	TR 2SC5198-0 HFE 80-160 70W TOSHIBA
Q525, Q526	4860-5220-5	TR 2SA1941-0 HFE 80-160 70W TOSHIBA
Q527, Q528	4860-0190-5	TR 2SC 1845 (F.E) RL
Q529, Q530	4860-1590-5	TR 2SC1740S (R) HFE180-390
Q541-Q545	4860-0190-5	TR 2SC1845 (F.E) RL
Q546-Q548	485A-9490-5	TR 2SA949-O HFE 70-140
Q549, Q550	485C-2229-5	TR 2SC2229-0 HFE 70-140
Q551	485C-5171-5	TR 2SC5171 HFE 100-320
Q552	4860-1220-5	TR 2SC3421 (0,Y) RL TSB
Q553	485A-1930-5	TR 2SA1930 HFE 100-320
Q554	4860-5210-5	TR 2SC5198-0 HFE 80-160
Q555	4860-5220-5	TR 2SA1941-0 HFE 80-160
Q561, Q562	4850-992F-5	TR 2SA992 HFE 300-600
Q563	485B-772P-5	TR 2SB772P PNP POWER TR
Q564	4860-1590-5	TR 2SC1740S
Q565	3130-2520-3	IC 7812 12V REGULATOR
Q581, Q582	4860-0190-5	TR 2SC 1845 (F.E) RL
Q583	4850-992F-5	TR 2SA992 HFE 300-600
Q591, Q592	485C-123J-5	TR DTC123JSA ROHM
RESISTORS		
R501	474B-R10K-5-02	RWR 5W 0.1RX2 10% RL

Reference No.	Part No.	Description
R502	4701-221J-2	RCF 1/8W 220R 5% AT
R505, R506	4701-471J-C	RCF 1/8W 470R 5% ATS
R507-R510	4701-180J-C	RMF 1/8W 18R 5% ATS
R503, R504	4701-273J-C	RMF 1/8W 27K 5% ATS
R5100	4701-512J-C	RCF 1/8W 5.1K 5% ATS
R5101	4701-183J-C	RCF 1/8W 18K 5% ATS
R5102	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R5103	4705-331J-2	RCF 1/4W 330R 5% AT
R5104, R5105	4717-2R2J-2	RMF 1/2W 2.2R 5% AT
R5106	4701-272J-C	RMF 1/8W 2.7K 5% ATS
R5107	474B-R22K-5-02	RWR 5W 0.22R X2 10% RL
R5108	4701-471J-C	RCF 1/8W 470R 5% ATS
R5109	4701-333J-C	RCF 1/8W 33K 5% ATS
R5110	4718-8R2J-2-X	RMF 1W 8.2R 5% AT
R511, R512	4701-562J-C	RCF 1/8W 5.6K 5% ATS
R5111	4701-821J-C	RCF 1/8W 820R 5% ATS
R5112	4701-473J-C	RCF 1/8W 47K 5% ATS
R513, R514	4701-273J-C	RMF 1/8W 27K 5% ATS
R515, R516	4701-821J-C	RCF 1/8W 820R 5% ATS
R5117	4701-473J-C	RCF 1/8W 47K 5% ATS
R5118	635N-0001-0	JUMPER WIRE
R5119	4701-103J-C	RMF 1/8W 10K 5% ATS
R5120	4701-202J-C	RCF 1/8W 2K 5% ATS
R5121	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R5122, R5123	4707-822J-2	RCF 1/2W 8.2K 5% AT
R5124, R5125	4701-122J-C	RMF 1/8W 1.2K 5% ATS
R5126	4701-911J-C	RCF 1/8W 910R 5% ATS
R5130, R5132	4701-223J-C	RCF 1/8W 22K 5% ATS
R5131, R5133	4701-562J-C	RCF 1/8W 5.6K 5% ATS
R5134, R5135	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R517-R520	4701-102J-2	RMF 1/8W 1K 5% AT
R521-R524	4717-680J-1	RMF 1/2W 68R 5% AL
R525, R526	4717-560J-2	RMF 1/2W 56R 5% AT
R527, R528	4717-680J-1	RMF 1/2W 68R 5% AL
R529, R530	4701-560J-C	RCF 1/8W 56R 5% ATS
R531, R532, R535	4701-183J-C	RCF 1/8W 18K 5% ATS
R533, R534	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R536	4701-183J-C	RCF 1/8W 18K 5% ATS
R537, R538	4701-512J-C	RCF 1/8W 5.1K 5% ATS
R539-R542	4717-2R2J-2	RMF 1/2W 2.2R 5% AT
R543, R544	4705-331J-2	RCF 1/4W 330R 5% AT
R545, R546	4701-272J-C	RMF 1/8W 2.7K 5% ATS
R547-R548	474B-R22K-5-02	RWR 5W 0.22R X2 10% RL
R549, R550	4701-471J-C	RCF 1/8W 470R 5% ATS
R551, R552	4701-333J-C	RCF 1/8W 33K 5% ATS
R553, R554	4701-473J-C	RCF 1/8W 47K 5% ATS
R555, R556	4718-8R2J-2-X	RMF 1W 8.2R 5% AT
R559	4701-103J-C	RMF 1/8W 10K 5% ATS
R560	4701-223J-C	RCF 1/8W 22K 5% ATS
R561, R562	4701-271J-C	RCF 1/8W 270R 5% ATS
R563-R566	4701-104J-C	RMF 1/8W 100K 5% ATS
R567, R569	4717-2R2J-2	RMF 1/2W 2.2R 5% AT
R570	4701-225J-C	RCF 1/8W 2.2M 5% ATS
R571	4705-333J-2	RCF 1/4W 33K 5% AT
R572	4701-103J-2	RMF 1/8W 10K 5% AT
R573, R574	4756-2226-3-06	SEMI-FIXED 2.2K H3 7X7.6 R0615C
R575	4701-473J-2	RCF 1/8W 47K 5% AT
R577, R578	4718-R22J-2	RMF 1W 0.22R 5% AT
R580	4701-562J-C	RCF 1/8W 5.6K 5% ATS
R581	4701-273J-C	RMF 1/8W 27K 5% ATS

Reference No.	Part No.	Description
R582, R583	4701-102J-2	RMF 1/8W 1K 5% AT
R584	4701-104J-2	RMF 1/8W 100K 5% AT
R585, R586	4717-680J-1	RMF 1/2W 68R 5% AL
R588, R590	4701-180J-C	RCF 1/8W 18R 5% ATS
R587	4701-471J-C	RCF 1/8W 470R 5% ATS
R589	4701-562J-C	RCF 1/8W 5.6K 5% ATS
R591	4701-273J-C	RMF 1/8W 27K 5% ATS
R592	4701-223J-C	RCF 1/8W 22K 5% ATS
R593	4701-560J-C	RCF 1/8W 56R 5% ATS
R594	4701-271J-C	RCF 1/8W 270R 5% ATS
R595	4701-104J-C	RMF 1/8W 100K 5% ATS
R596	4717-560J-2	RMF 1/2W 56R 5% AT
R597	4717-680J-1	RMF 1/2W 68R 5% AL
R598	4701-183J-C	RCF 1/8W 18K 5% ATS
R599	4756-2226-3-06	SEMI-FIXED 2.2K H3 7X7.6 R0615C
SURROUND AMP BOARD		
PC BOARD		
0003	PCB-N0950C-AMP2	POWER PRE SL/SR ASSEBLY
CAPACITORS		
C801, C802	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C803, C804	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C805, C806	150F-020C-5-GG	CC 50V 2pF 0.25pF RL 4x4
C807, C808	150F-471K-5-GG	CC 50V 470pF 10% RL 4x4
C809, C810	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C811, C812	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C813, C814	150F-181K-5-GG	CC 50V 180pF 10% RL 4x4
C815, C816	150F-070D-5-GG	CC 50V 7pF 0.5pF RL 4x4
C817-C820	157F-106M-5-GM	CE 50V 10µF 20% RL 4x7
C821, C822	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C823, C824	153F-104J-5-QUN	CM 50V 0.1µF RL (9x11)
C825	150F-102K-2-FC	CC 50V 1000pF 10% AT
C829, C830	157I-477M-5-X&	CE 63V 470µF 20% RL 12.5x25
C831, C832	150F-151K-2-FC	CC 50V 150pF 10% AT
C833	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C835, C836	150F-151K-2-FC	CC 50V 150pF 10% AT
DIODES		
D801, D802	4804-0040-1	DIODE 1N4004 AL
D803-D805	4804-1480-C	DIODE 1N4148 ATS
WAFERS/JACKS/SOCKETS		
J604B	2102-031S-004	3 PIN ST. WAFER P=2.5 COULOMB
J801A	2102-081S-004	WAFER 8P P2.5 ST.
JP801, JP802	2113-1160-0	WAFER 2P ST. P=2.5 NH (JST)
RELAY		
M801	4500-0910-0	RELAY 24VDC,125VA,3A OSA-SS-224DM3 OEG
TRANSISTORS		
Q801-Q806	4860-0190-5	TR 2SC 1845 (F.E) RL
Q807, Q808	4860-1590-5	TR 2SC1740S (R) HFE180-390
Q809-Q812	485A-9490-5	TR 2SA949-O HFE 70-140 TOSHIBA
Q813,Q814	485C-5171-5	TR 2SC5171 HFE 100-320
Q815,Q816	485A-9490-5	TR 2SA949-O HFE 70-140 TOSHIBA
Q817-Q820	485C-2229-5	TR 2SC2229-0 HFE 70-140 TOSHIBA
Q821, Q822	4860-1220-5	TR 2SC3421 (0,Y) RL TSB
Q823, Q824	485A-1930-5	TR 2SA1930 HFE 100-320
Q825, Q826	4860-5210-5	TR 2SC5198-0 HFE 80-160 70w TOSHIBA

Reference No.	Part No.	Description
Q827, Q828	4860-5220-5	TR 2SA1941-0 HFE 80-160 70W TOSHIBA
Q829, Q830	4860-0190-5	TR 2SC 1845 (F.E) RL
Q831	485C-123J-5	TR DTC123JSA ROHM
RESISTORS		
R803, R804	4701-273J-C	RCF 1/8W 27K 5% ATS
R805, R806	4701-471J-C	RCF 1/8W 470R 5% ATS
R807, R808	4701-180J-C	RCF 1/8W 18R 5% ATS
R809, R810	4701-562J-C	RCF 1/8W 5.6K 5% ATS
R811, R812	4701-180J-C	RCF 1/8W 18R 5% ATS
R813-R816	4701-102J-C	RCF 1/8W 1K 5% ATS
R817, R818	4701-104J-C	RCF 1/8W 100K 5% ATS
R819-R822	4717-680J-1	RMF 1/2W 68R 5% AL
R823, R824	4701-273J-C	RCF 1/8W 27K 5% ATS
R825, R826	4701-821J-C	RCF 1/8W 820R 5% ATS
R827, R828	4701-560J-C	RCF 1/8W 56R 5% ATS
R829, R830	4701-183J-C	RCF 1/8W 18K 5% ATS
R831, R832	4701-512J-C	RCF 1/8W 5.1K 5% ATS
R833, R834	4701-183J-C	RCF 1/8W 18K 5% ATS
R835, R836	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R837, R838	4715-331A-2	RCF 1/4W 330R 1% AT
R839, R840	4701-471J-C	RCF 1/8W 470R 5% ATS
R841-R844	4717-2R2J-2	RMF 1/2W 2.2R 5% AT
R845, R846	4701-271J-C	RCF 1/8W 270R 5% ATS
R847, R848	4701-104J-C	RCF 1/8W 100K 5% ATS
R849, R850	4717-560J-2	RMF 1/2W 56R 5% AT
R851, R852	4717-680J-1	RMF 1/2W 68R 5% AL
R855, R856	4707-272J-2	RCF 1/2W 2.7K 5% AT
R853, R854	474B-R22K-5-02	RWR 5W 0.22R X2 10% RL
R857, R858	4718-8R2J-2-X	RMF 1W 8.2R 5% AT
R859, R860	4717-2R2J-2	RMF 1/2W 2.2R 5% AT
R861, R862	4701-333J-C	RCF 1/8W 33K 5% ATS
R863, R864	4701-473J-C	RCF 1/8W 47K 5% ATS
R865, R866	4701-223J-C	RCF 1/8W 22K 5% ATS
R867, R868	4756-2026-3-03	SEMI-FIXED 2K2
R869	4701-221J-C	RCF 1/8W 220R 5% ATS
AUDIO BOARD		
PC BOARD		
0004	PCB-N0950C-AUD	AUDIO ASSEMBLY
CAPACITORS		
C301-C302	150F-103K-2-FC	CC 50V 0.01µF 10% AT
C303	157D-107M-5-IU	CE 16V 100µF 20% RL 5x11
C304	150F-103K-2-FC	CC 50V 0.01µF 10% AT
C305, C306	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C319-C322, C325-C332	150F-101K-2-FC	CC 50V 100pF 10% AT
C333-C336	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C337	150F-103K-2-FC	CC 50V 0.01µF 10% AT
C338-C340	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C387-C388	150F-101K-2-FC	CC 50V 100pF 10% AT
DIODES		
D301, D302	4837-7B51-2	DZ 1/2W 7.07~7.45V ROHM AT (MTZJ7.5B)
SOCKETS / JACKS		
J707B, J711B	2101-1801-0	SOCKET (PCB/PCB) 10P P2.0
M301	2113-1805-0	6P RCA JACK R/W GOLD W/SHIELD
M302	2113-1808-0	4P RCA JACK R/W GOLD W/SHIE

Reference No.	Part No.	Description
TRANSISTOR		
Q303	485C-144E-5	TR DTC144ES ROHM
ICs		
U301	3131-3570-0	IC TC9273N-004 ANALOG SWITCH ARRAY
U302	3130-3870-0	IC HCF4053BT
RESISTORS		
R301-R303	4701-102J-C	RCF 1/8W 1K 5% ATS
R331, R333	4701-331J-C	RCF 1/8W 330R 5% ATS
R332, R334	4701-105J-C	RCF 1/8W 1M 5% ATS
R335, R337	4701-331J-C	RCF 1/8W 330R 5% ATS
R336, R338	4701-105J-C	RCF 1/8W 1M 5% ATS
R339	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R340, R342	4701-105J-C	RCF 1/8W 1M 5% ATS
R341, R343, R345	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R344, R346	4701-105J-C	RCF 1/8W 1M 5% ATS
R347, R349	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R348, R350	4701-105J-C	RCF 1/8W 1M 5% ATS
R351, R353	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R352, R354	4701-105J-C	RCF 1/8W 1M 5% ATS
R392, R394	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R393, R395	4701-105J-C	RCF 1/8W 1M 5% ATS
COMPONENT VIDEO BOARD		
PC BOARD		
0005	PCB-N0950C-COM	PCB ASSY COMPONET VIDEO
CAPACITORS		
C901, C903	157F-103K-2-FC	CC 50V 0.01µF 10% AT
C902, Q904	157D-107M-5-IU	CE 16V 100µF 20% RL 5x11
C905-C907	157E-226M-5-IU	CE 25V 22µF 20% RL 5x11
C908-C910	157C-477M-5-OU	CE 10V 470µF 20% RL 8X11
C911	157C-476M-5-GM	CE 10V 47µF 20% RL 4x7
C912	157C-476M-5-IU	CE 16V 47µF 20% RL 5x11
C913	157C-477M-5-OU	CE 10V 470µF 20% RL 8x11
DIODES		
D901, D902	4837-7B51-2	DZ 1/2W 7.07~7.45V ROHM AT (MTZJ7.5B)
D903-D905	4804-1480-C	DIODE 1N4148 ATS
SOCKET/JACKS		
J901A	2101-1801-0	SOCKET (PCB/PCB) 10P P2.0
M901, M903	2113-1817-0	3P RCA JACK G/B/R GOLD W/GRN
TRANSISTORS		
Q901	485C-144E-5	TR DTC144ES ROHM
Q902-Q904	485A-933S-5	TR 2SA933S HFE 120-560 ROHM
Q905-Q907	4860-0770-5	TR 2SC2878 (A,B) RL
Q911	485A-933S-5	TR 2SA933S HFE 120-560 ROHM
Q912	485C-144E-5	TR DTC144ES ROHM
RESISTORS		
R901	4701-101J-C	RCF 1/8W 100R 5% ATS
R902	4701-102J-C	RCF 1/8W 1K 5% ATS
R904	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R905, R906	4701-101J-C	RCF 1/8W 100R 5% ATS
R907	4701-201J-C	RCF 1/8W 200R 5% ATS
R908-R910	4701-2R2J-C	RCF 1/8W 2.2R 5% ATS
R911	4701-103J-C	RCF 1/8W 10K 5% ATS

Reference No.	Part No.	Description
R912	4701-102J-C	RCF 1/8W 1K 5% ATS
R913	4701-151J-C	RCF 1/8W 150R 5% ATS
R914, R915	4701-121J-C	RCF 1/8W 120R 5% ATS
R916-R921	4701-303J-C	RCF 1/8W 30K 5% ATS
R922-R924	4701-102J-C	RCF 1/8W 1K 5% ATS
R925	4701-391J-C	RCF 1/8W 390R 5% ATS
R930	4701-303J-C	RCF 1/8W 30K 5% ATS
R931	4701-151J-C	RCF 1/8W 150R 5% ATS
R932	4701-303J-C	RCF 1/8W 30K 5% ATS
R933	4701-391J-C	RCF 1/8W 390R 5% ATS
R934	4701-102J-C	RCF 1/8W 1K 5% ATS
IC		
U901	3130-3870-0	IC HCF4053BT
DIGITAL IN BOARD		
PC BOARD		
0006	PCB-N0950C-DIGI	PCB ASSY DIGITAL IN
TOSLINKS		
J1601, J1602	4811-F32R-3	LIGHT RX UNIT GPIF32R
WAFERS / JACKS		
1603	2102-101S-004	WAFER 10P P2.5 ST. (colomb)
1604	2113-1815-0	3P-H RCA JACK BLK GOLD W/GRN
J802B	2101-9100-0	JM2422-4M WAFER
M802	2113-1663-0	4P SPEAKER TERMINAL R/B W/BANANA
CAPACITORS		
C763	150F-104K-5-II	CC 50V 0.1µF 10% RL 5x5
C764	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C767	150F-104K-5-II	CC 50V 0.1µF 10% RL 5x5
C850	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C853, C854	153F-102J-5-IM	CM 50V 1000PF 5% RL 5x7
C855	153F-104J-5-NSM	CM 50V 0.01µF 5% RL 7.3x10 metalzd
DIODE		
D801	4804-1480-2	DIODE 1N4148 AT
RELAY		
M804	4500-0910-0	RELAY 24VDC,125VA,3A OSA-SS-224DM3 OEG
TRANSISTOR		
Q801	485C-123J-5	TR DTC123JSA ROHM
DIGITAL OUT BOARD		
PC BOARD		
0007	PCB-N0950C-DIGO	DIGITAL OUT ASSEMBLY
CAPACITORS		
C747, C748	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C749, C750	150F-104K-2-FC	CC 50V 0.01µF 10% AT
C766	150F-103K-2-FC	CC 50V 0.01µF 10% AT
C768	150F-102K-2-FC	CC 50V 1000pF 10% AT
C769	150F-222K-5-LF	CC 50V 2200pF 10% RL 6.5
C770, C771	150F-104K-2-FC	CC 50V 0.01µF 10% AT
C772	157D-226M-5-GM	CE 16V 22µF 20% RL 4x7
DIODES		
D756-D759	4804-1480-C	DIODE 1N4148 ATS

Reference No.	Part No.	Description
WAFER		
J102B	2102-051S-004	5P ST.WAFER P=2.5 COLOMB
COIL		
L701	1802-0450-0	DIGITAL COIL 015-910-27BB
JACKS		
M704	2113-1812-0	2P RCA JACK YL GOLD W/SHIELD
M705	5200-3171-0-01	DPDT SLIDE SW.SK-22F28-G9TS
M706	2113-1806-0	1P RCA JACK BK GOLD W/SHIELD
M707	2704-0060-0	EMC FILTER DSS31055B271M
RESISTORS		
R759, R760	4701-102J-C	RCF 1/8W 1K 5% ATS
R761	4701-101J-C	RCF 1/8W 100R 5% ATS
R762	4701-104J-C	RCF 1/8W 100K 5% ATS
R763	4701-471J-C	RCF 1/8W 470R 5% ATS
R764	4701-151J-C	RCF 1/8W 150R 5% ATS
R765	4701-102J-C	RCF 1/8W 1K 5% ATS
ICs		
U761, U762	3131-9050-0	IC 74HC00 QUAD 2I/P NAND GATE SOP
LED BOARD		
PC BOARD		
0008	PCB-N0950C-LED	LED ASSEMBLY
LED		
2202	3700-2489-G	LED 3MM GREEN SP
LOAD BOARD		
PC BOARD		
0009	PCB-N0950C-LOAD	LOAD ASSEMBLY
CAPACITORS		
C703, C704	157F-106M-5-IU	CE 50V 10µF 20% RL 5x11
C705	150F-104Z-5-IU	CC 50V 0.01µF +80/-20% RL
C706, C707	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
DIODES		
D701	4840-7060-0	DIODE BRIDGE RS804M
D703	4804-1480-C	DIODE 1N4148 ATS
WAFERS		
H_DC	2101-9400-0	JM2422-3M WAFER
J204B	2102-061R-004	WAFER 6 PIN P2.5
TRANSISTORS		
M701, M702	4860-5270-5	TR TYN412 400V 12A THYRISTOR
Q701	4860-0660-5	TR 2SA1015 (G.R.) RL
Q702	4860-0700-5	TR 2SC1815 (G.R) RL
Q703	4860-0660-5	TR 2SA1015 (G.R.) RL
Q704	4860-0700-5	TR 2SC1815 (G.R) RL
RESISTORS		
R701	4701-102J-C	RCF 1/8W 1K 5% ATS
R702	4701-223J-C	RCF 1/8W 22K 5% ATS
R703	4701-101J-C	RCF 1/8W 100R 5% ATS
R704, R705	4701-102J-C	RCF 1/8W 1K 5% ATS
R706	4701-103J-C	RCF 1/8W 10K 5% ATS

Reference No.	Part No.	Description
R707	4701-101J-C	RCF 1/8W 100R 5% ATS
R708	4701-223J-C	RCF 1/8W 22K 5% ATS
R709	4701-103J-C	RCF 1/8W 10K 5% ATS
R710	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R711	4701-562J-C	RCF 1/8W 5.6K 5% ATS
R716, R717	4701-104J-C	RCF 1/8W 100K 5% ATS
R718, R719	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R720	4701-684J-C	RCF 1/8W 680K 5% ATS
IC		
U701	3130-0890-0	IC NJM4558D DUAL OP AMP.
MAIN BOARD		
PC BOARD		
0010	PCB-N0950C-MAIN	MAIN ASSEMBLY
CAPACITORS		
C717	157E-338M-5-5$	CE 25V 3300µ+C649F 20% RL 16x32
C718	157E-108M-5-X&	CE 25V 1000µF 20% RL 12.5x25
C720, C721	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C722, C723	157F-106M-5-GM	CE 50V 10µF 20% RL 4x7
C726	157F-476M-5-LU	CE 50V 47µF 20% RL 6.5x11
C727	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C728	157F-107M-5-OW	CE 50V 100µF 20% RL 8x12
C731	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C732	157F-106M-5-GM	CE 50V 10µF 20% RL 4x7
C734	157F-476M-5-LU	CE 50V 47µF 20% RL
C735	157F-106M-5-GM	CE 50V 10µF 20% RL 4x7
C736	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C741	157C-337M-5-OW	CE 10V 330µF 20% RL 8x12
C930	150F-223K-2-FD	CC 50V 0.022µF 10% AT
DIODES		
D715-D718	4805-3930-2	DIODE 1N5393 200V 1.5A AT
D719	4804-0010-2	DIODE 1N4001 AT
D720, D721	4804-0040-1	DIODE 1N4004 AL
D722	4837-27V0-2	DZ 1/2W 27V(26.2-27.6)AT
D723	4804-0010-2	DIODE 1N4001 AT
D734	4804-1480-C	DIODE 1N4148 ATS
D735, D736	4805-3930-2	DIODE 1N5393 200V 1.5A AT
D737, D738	4804-0010-2	DIODE 1N4001 AT
WAFERS		
J206B	2101-1591-0	FLEXIBLE CONN. 35P P1.25 TOP ENTRY
J401B	2102-111S-004	11P ST.WAFER P=2.5 COLOMB
J402B	2102-031S-004	3 PIN ST. WAFER P=2.5 COLOMB
J502B	2102-121S-004	12P ST.WAFER P=2.5 COLOMB
J7001	2102-031S-004	3 PIN ST. WAFER
J701A	2102-021S-004	2P ST.WAFER P=2.5 COLOMB
J701B	2102-031S-004	3 PIN ST. WAFER
J703A	2101-1621-0	WAFER (PCB/PCB) 10P P2.0 ST
J704A	2101-1641-0	WAFER (PCB/PCB) 16P P2.0 ST
J705A-J708A	2101-1621-0	WAFER (PCB/PCB) 10P P2.0
J709A	2101-1631-0	WAFER (PCB/PCB) 6P P2.0 ST
J710A	2101-1641-0	WAFER (PCB/PCB) 16P P2.0
J711A	2101-1621-0	WAFER (PCB/PCB) 10P P2.0 ST
J803A	2102-031S-004	3 PIN ST. WAFER
J901B	2101-1621-0	WAFER (PCB/PCB) 10P P2.0
M400A	2102-021S-004	2P ST.WAFER

Reference No.	Part No.	Description
HEATSINKS		
M701	5400-1702-0	HEATSINK 23.5X17X50
M702-M703	5400-0831-0	HEATSINK (214) 20MM-HIGH HOLE
TRANSISTOR		
Q724	4860-0660-5	TR 2SA1015 (G.R.) RL
RESISTORS		
R731	4701-102J-C	RCF 1/8W 1K 5% ATS
R732	4701-333J-C	RCF 1/8W 33K 5% ATS
R733, R734	4718-391J-2-X	RMF 1W 390R 5% AT
ICs		
U721	3130-2520-3	IC 7812 12V REGULATOR (SGS)
U722	3130-3800-0	IC UPC79M12HF REGULATOR
U723	3130-8190-0	IC NJM78M56FA 5.6V REGULATOR
U724	3130-2020-2	IC 7805 REG 5V
MULTI CH BOARD		
PC BOARD		
0011	PCB-N0950C-MUTI	MULTI CH ASSEMBLY
JACKS / WAFERS		
1102	2113-1808-0	4P RCA JACK R/W GOLD W/SHIELD
1103	2113-1809-0	2P RCA JACK BK/BK GOLD M/SHIELD
1105	2113-1808-0	4P RCA JACK R/W GOLD
1106	2113-1809-0	2P RCA JACK BK/BK GOLD
CAPACITORS		
C601-C606	150F-101K-2-FC	CC 50V 100pF 10% AT
C609, C610	150F-223K-2-FC	CC 50V 0.022µF 10% AT
C611-C616	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C617	150F-104Z-5-IU	CC 50V 0.1µF +80/-20% RL
C618, C619	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C620, C621	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C622-C629	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C630-C633	150F-221K-5-GG	CC 50V 220pF 10% RL 4x4
C634-C637	153F-101K-5-MKN	CM 100PF 50V RL (7x6) POLYESTER
C638-C641	157F-225K-5-GM	CE 50V 2.2µF 10% RL 4x7
C642	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C643	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C644	150F-103K-5-II	CC 50V 0.01µF 10% RL 5x5
C647-C649	157D-226M-5-II	CE 16V 22µF 20% RL 5x5
C650-C653	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C654, C655	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C656, C657	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C662A, C663A	150F-221K-5-GG	CC 50V 220pF 10% RL 4x4
C664, C665	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C666, C667	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C674	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C675, C676	150F-221K-2-FC	CC 50V 220pF 10% AT
C679	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C680	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C681, C682	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C662A, C663A	150F-221K-5-GG	CC 50V 220pF 10% RL 4x4
C692	153F-822J-5-KW	CM 50V 8200pF 5% RL 6x12
C693	153F-153J-5-KP	CM 50V 0.015µF 5% RL 6X8.5
C694, C695	153F-334J-5-MIB	CM 50V 0.33µF 5% RL 7x5
C696	153F-153J-5-KP	CM 50V 0.015µF 5% RL
C697	153F-822J-5-KW	CM 50V 8200pF 5% RL 6x12

Reference No.	Part No.	Description
C698, C699	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
R673-R678	150F-221K-2-FC	CC 50V 220pF 10% AT
DIODES		
D601, D602	4837-7C51-2	DZ 1/2W 7.29-7.67V ROHM
D607	4837-5B61-2	DZ 1/2W 5.45-5.73 ROHM
D603	4804-1480-C	DIODE 1N4148 ATS
WAFERS / SOCKETS		
J602A	2102-031S-004	3 PIN ST. WAFER P=2.5 COLOMB
J705B, J706B	2101-1801-0	SOCKET (PCB/PCB) 10P P2.0
COILS		
L601, L602	1801-101K-M	COIL 100µH 10%
TRANSISTORS		
Q601	4851-241A-5	TR RN1241-A
Q602	4860-0060-5	TR SS8550 C/D SAMSUNG RL
Q603-Q605	4851-241A-5	TR RN1241-A
Q607	4860-0050-5	TR SS8050 C/D SAMSUNG RL
Q608	4860-0770-5	TR 2SC2878 (A,B) RL
Q609, Q610	485A-114E-5	TR DTA114ESA ROHM
Q611, Q612	4851-241A-5	TR RN1241-A
Q613	4860-0770-5	TR 2SC2878 (A,B) RL
Q614, Q616, Q618, Q620	485A-114E-5	TR DTA114ESA ROHM
Q622	4860-0050-5	TR SS8050 C/D SAMSUNG RL
RESISTORS		
J611, J645	4701-101J-C	RCF 1/8W 100R 5% ATS
J6123, J680	4701-682J-C	RCF 1/8W 6.8K 5% ATS
R601-R606	4701-331J-C	RCF 1/8W 330R 5% ATS
R607-R612	4701-104J-C	RCF 1/8W 100K 5% ATS
R6112-R6114	4701-223J-C	RCF 1/8W 22K 5% ATS
R613	4701-333J-C	RCF 1/8W 33K 5% ATS
R614, R615	4701-103J-C	RCF 1/8W 10K 5% ATS
R616	4701-333J-C	RCF 1/8W 33K 5% ATS
R617, R618	4701-103J-C	RCF 1/8W 10K 5% ATS
R619, R620	4701-333J-C	RCF 1/8W 33K 5% ATS
R621, R622	4701-103J-C	RCF 1/8W 10K 5% ATS
R623	4701-123J-C	RCF 1/8W 12K 5% ATS
R624	4701-393J-C	RCF 1/8W 39K 5% ATS
R626	4701-203J-C	RCF 1/8W 20K 5% ATS
R628	4701-203J-C	RCF 1/8W 20K 5% ATS
R631	4701-152J-C	RCF 1/8W 1.5K 5% ATS
R632,R633	4701-103J-C	RCF 1/8W 10K 5% ATS
R634-R636	4701-104J-C	RCF 1/8W 100K 5% ATS
R637	4701-103J-C	RCF 1/8W 10K 5% ATS
R638-R643	4701-104J-C	RCF 1/8W 100K 5% ATS
R644, R645	4701-102J-C	RCF 1/8W 1K 5% ATS
R646-R649	4701-563J-C	RCF 1/8W 56K 5% ATS
R650-R653	4701-272J-C	RCF 1/8W 2.7K 5% ATS
R654	4701-822J-C	RCF 1/8W 8.2K 5% ATS
R655	4701-183J-C	RCF 1/8W 18K 5% ATS
R656, R657	4701-103J-C	RCF 1/8W 10K 5% ATS
R658, R660-R661	4701-102J-C	RCF 1/8W 1K 5% ATS
R659	4701-471J-C	RCF 1/8W 470R 5% ATS
R660-R661	4701-102J-C	RCF 1/8W 1K 5% ATS
R662	4701-563J-C	RCF 1/8W 56K 5% ATS
R663, R664	4701-223J-C	RCF 1/8W 22K 5% ATS
R666	4701-563J-C	RCF 1/8W 56K 5% ATS

Reference No.	Part No.	Description
R667-R672	4701-221J-C	RCF 1/8W 220R 5% ATS
R673-R678	4701-104J-C	RCF 1/8W 100K 5% ATS
R679, R680	4701-563J-C	RCF 1/8W 56K 5% ATS
R681, R682	4701-102J-C	RCF 1/8W 1K 5% ATS
R687, R688	4701-272J-C	RCF 1/8W 2.7K 5% ATS
R689, R690	4701-563J-C	RCF 1/8W 56K 5% ATS
R691, C692	4701-103J-C	RCF 1/8W 10K 5% ATS
R693	4701-202J-C	RCF 1/8W 2K 5% ATS
R694	4701-152J-C	RCF 1/8W 1.5K 5% ATS
R695	4701-202J-C	RCF 1/8W 2K 5% ATS
R696	4701-471J-C	RCF 1/8W 470R 5% ATS
R699,R700	4701-102J-C	RCF 1/8W 1K 5% ATS
R704	4701-152J-C	RCF 1/8W 1.5K 5% ATS
ICs		
U601	3131-4910-0	IC M62446FP MITSUBISHI (SMD)
U602	3130-3730-1	IC TC9164AN HV ANALOG SW
U605-U607	3130-9560-0	NJM5532 IC 'DIP8' ELE-IC029
U609-U611	3130-9560-0	NJM5532 IC 'DIP8' ELE-IC029
SECONDARY BOARD		
PC BOARD		
0012	PCB-N0950C-SEC	SECONDARY ASSEMBLY
CAPACITORS		
C751, C752	150F-104K-5-II	CC 50V 0.1µF 10% RL 5x5
C753-C756	153I-104J-5-NMN	CM 63V 0.1µF RL (7.5x7) POLYESTER
C757, C762	150F-104K-5-II	CC 50V 0.1µF 10% RL 5x5
WAFERS		
J202B	2102-041S-004	4P ST.WAFER P=2.5 COLOMB
J501B, J702A	2101-9400-0	JM2422-3M WAFER
RESISTORS		
R751-R753	4718-R22J-2	RMF 1W 0.22R 5% AT
R755	4717-2R2J-2	RMF 1/2W 2.2R 5% AT
SPEAKER BOARD		
PC BOARD		
0013	PCB-N0950C-SPK	SPEAKER ASSEMBLY
SPEAKER TERMINALS / WAFERS		
1502	2113-1663-0	4P SPEAKER TERMINAL R/B W/BANANA
1503	2113-1664-0	6P SPEAKER TERMINAL R/B W/BANANA
J503B	2102-101S-004	WAFER 10P P2.5 ST. (COLOMB)
CAPACITORS		
C594-C596	153F-102J-5-IM	CM 50V 1000PF 5% RL 5x7
S-VIDEO BOARD		
PC BOARD		
0014	PCB-N0950C-SVD	S-VIDEO ASSEMBLY
CONNECTORS		
1402-1408	2113-1183-0	1P DIN CONNECTOR HDC-050
CAPACITORS		
C401	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C404	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7

Reference No.	Part No.	Description
C405	157C-477M-5-OU	CE 10V 470µF 20% RL 8x11
C406	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C407	157C-477M-5-OU	CE 10V 470µF 20% RL 8x11
C408-C413	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C414	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C415	157C-477M-5-OU	CE 10V 470µF 20% RL 8x11
C416, C417	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C418	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C419	153F-223J-5-LQ	CM 50V 0.022µF 5% RL 6.5x9
C420, C421	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C422	157C-477M-5-OU	CE 10V 470µF 20% RL 8x11
C423, C424	157B-227M-5-KW	CE 6.3V 220µF 20% RL 6x12
C426-C428	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C429	15CH-300J-5-IG	CTC 0/60 30pF 5% RL 5x4
C429A	15CH-050D-5-GG	CTC 0/60 5pF 0.5pF RL 4x4
C430	15CH-300J-5-IG	CTC 0/60 30pF 5% RL 5x4
C430A	15CH-050D-5-GG	CTC 0/60 5pF 0.5pF RL
C431, C432	15CH-270J-5-GG	CTC 0/60 27pF 5% RL 4x4
C433-C435	150F-470J-5-IF	CC 50V 47pF 5% RL 5x3.5
C436	157F-105M-5-GM	CE 50V 1µF 20% RL 4x7
C440	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C442	157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C443	150F-103K-5-II	CC 50V 0.01µF 10% RL 5x5
C444	150F-474M-5-II	CE 50V 0.47µF 20% RL 5x5
C445	157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C446	157F-474M-5-GM	CE 50V 0.47µF 20% RL 4x7
C447	150F-470J-5-IF	CC 50V 47pF 5% RL 5x3.5
C448	150F-474M-5-II	CE 50V 0.47µF 20% RL 5x5
C449	150F-103K-5-II	CC 50V 0.01µF 10% RL 5x5
C451	150F-122K-5-IF	CC 50V 1200pF 10% RL 5x3
C453	157F-105M-5-GM	CE 50V 1µF 20% RL 4x7
C454	1551-0210-0	TRIMCAP 5.2-30P TZ03R300FR MUR
C456	15CH-220J-5-GG	CTC 0/60 22pF 5% RL 4x4
C457	150F-682K-5-SF	CC 50V 6800pF 10% RL
C462	157F-474M-5-GM	CE 50V 0.47µF 20% RL 4x7
C463	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C465	157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C469	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C474	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
DIODES		
D401-D409	4804-1480-C	DIODE 1N4148 ATS
D411-D414	4804-1480-C	DIODE 1N4148 ATS
SOCKETS		
J709B	2101-1661-0	SOCKET (PCB/PCB) 6P P2.0 RA
J710B	2101-1601-0	SOCKET (PCB/PCB) 16P P2.0 RA
COILS		
L401	1801-220K-M	COIL 22µH 10% AL BL7
L403	1801-5R6K-M	COIL 5.6µH 10% BL=7
CRYSTALS		
M401, M402	2300-3020-0	X'TAL 14.318MHZ +-20PPM LOAD CAP 22P HC49/U
TRANSISTORS		
Q401, Q402	4860-0770-5	TR 2SC2878 (A,B) RL
Q403	485A-933S-5	TR 2SA933S HFE 120-560 ROHM
Q404	4860-0770-5	TR 2SC2878 (A,B) RL
Q405	485A-933S-5	TR 2SA933S HFE 120-560

Reference No.	Part No.	Description
Q406	485C-123J-5	TR DTC123JSA ROHM
Q407	485A-933S-5	TR 2SA933S HFE 120-560
Q408	4860-0770-5	TR 2SC2878 (A,B) RL
Q409-Q411	485A-933S-5	TR 2SA933S HFE 120-560 ROHM
Q412	485C-123J-5	TR DTC123JSA ROHM
Q413	4860-0770-5	TR 2SC2878 (A,B) RL
Q414, Q415	4860-1590-5	TR 2SC1740S (R) HFE180-390
Q416, Q420, Q421	485A-933S-5	TR 2SA933S HFE 120-560
Q424	4860-0770-5	TR 2SC2878 (A,B) RL
Q432	485A-933S-5	TR 2SA933S HFE 120-560
Q436	4860-1590-5	TR 2SC1740S
Q437	4860-0770-5	TR 2SC2878 (A,B) RL
Q438	485C-144E-5	TR DTC144ES ROHM
RESISTORS		
R401-R406	4701-820J-C	RCF 1/8W 82R 5% ATS
R407, R408	4701-680J-C	RCF 1/8W 68R 5% ATS
R411, R412	4701-680J-C	RCF 1/8W 68R 5% ATS
R414	4701-121J-C	RCF 1/8W 120R 5% ATS
R415	4701-102J-C	RCF 1/8W 1K 5% ATS
R416	4701-563J-C	RCF 1/8W 56K 5% ATS
R417	4701-561J-C	RCF 1/8W 560R 5% ATS
R418	4701-471J-C	RCF 1/8W 470R 5% ATS
R419	4701-102J-C	RCF 1/8W 1K 5% ATS
R420, R421	4701-471J-C	RCF 1/8W 470R 5% ATS
R422	4701-102J-C	RCF 1/8W 1K 5% ATS
R423	4701-680J-C	RCF 1/8W 68R 5% ATS
R424	4701-221J-C	RCF 1/8W 220R 5% ATS
R425, R426	4701-102J-C	RCF 1/8W 1K 5% ATS
R427	4701-680J-C	RCF 1/8W 68R 5% ATS
R428	4701-333J-C	RCF 1/8W 33K 5% ATS
R429	4701-104J-C	RCF 1/8W 100K 5% ATS
R430	4701-471J-C	RCF 1/8W 470R 5% ATS
R431	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R433, R434	4701-820J-C	RCF 1/8W 82R 5% ATS
R437, R438	4701-102J-C	RCF 1/8W 1K 5% ATS
R441	4701-303J-C	RCF 1/8W 30K 5% ATS
R442	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R443-R445	4701-102J-C	RCF 1/8W 1K 5% ATS
R446-R449	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R450	4701-122J-C	RCF 1/8W 1.2K 5% ATS
R451	4701-101J-C	RCF 1/8W 100R 5% ATS
R452	4701-104J-C	RCF 1/8W 100K 5% ATS
R453	4701-822J-C	RCF 1/8W 8.2K 5% ATS
R454	4701-152J-C	RCF 1/8W 1.5K 5% ATS
R456	4701-824J-C	RCF 1/8W 820K 5% ATS
R457	4701-682J-C	RCF 1/8W 6.8K 5% ATS
R458	4701-473J-C	RCF 1/8W 47K 5% ATS
R459	4701-221J-C	RCF 1/8W 220R 5% ATS
R462	4701-272J-C	RCF 1/8W 2.7K 5% ATS
R463	4701-121J-C	RCF 1/8W 120R 5% ATS
R467	4701-102J-C	RCF 1/8W 1K 5% ATS
R468	4701-104J-C	RCF 1/8W 100K 5% ATS
R469	4701-102J-C	RCF 1/8W 1K 5% ATS
R473	4701-682J-C	RCF 1/8W 6.8K 5% ATS
R474	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R475	4701-102J-C	RCF 1/8W 1K 5% ATS
R480, R481	4701-680J-C	RCF 1/8W 68R 5% ATS
R482	4701-121J-C	RCF 1/8W 120R 5% ATS
R484	4701-471J-C	RCF 1/8W 470R 5% ATS

Reference No.	Part No.	Description
R485	4701-680J-C	RCF 1/8W 68R 5% ATS
R486, R487	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R488	4701-303J-C	RCF 1/8W 30K 5% ATS
ICs		
U401	3131-3750-0	IC LC74763-9012 OSD PAL/NTSC SANYO
U402, U403	3131-3730-0	IC BA7625 2X5CH MULTIPLEXER ROHM
MAIN SW BOARD		
PC BOARD		
0015	PCB-N0950C-SW	MAIN SW ASSEMBLY
POWER SWITCH		
1702 ⚠	5200-3665-0	POWER SWITCH TV5 W/THREAD
CAPACITOR		
C761 ⚠	8910-0091-0	CC 400V 0.01µF +-20% RL 17X9.5
VIDEO BOARD		
PC BOARD		
0016	PCB-N0950C-VD	VIDEO ASSEMBLY
JACKS		
1302	2113-1810-0	1P RCA JACK YL GOLD W/SHIELD
1303	2113-1811-0	4P RCA JACK YL GOLD W/SHIELD
1304	2113-1812-0	2P RCA JACK YL GOLD W/SHIELD
CAPACITORS		
C441	150F-103K-2-FC	CC 50V 0.01µF 10% AT 3.5x2
C450	150F-223K-2-FD	CC 50V 0.022µF 10% AT 3.2x2.2
C459-C461	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C464	150F-103K-2-FC	CC 50V 0.01µF 10% AT 3.5
C466, C467	157C-477M-5-OU	CE 10V 470µF 20% RL 8x11
C468	157D-108M-5-S9	CE 16V 1000µF 20% RL 10x20
C470	157D-226M-5-GM	CE 16V 22µF 20% RL 4x7
C476	157C-477M-5-OU	CE 10V 470µ F 20% RL 8x11
DIODES		
D414, D415	4804-1480-C	DIODE 1N4148 ATS
SOCKET		
J708B	2101-1801-0	SOCKET (PCB/PCB) 10P P2.0
TRANSISTORS		
Q428, Q434, Q435	485A-933S-5	TR 2SA933S HFE 120-560 ROHM
ICs		
U404	3131-3730-0	IC BA7625 2X5CH MULTIPLEXER
VIDEO-5 BOARD		
PC BOARD		
0017	PCB-N0950C-VD5	VIDEO-5 ASSEMBLY
JACKS / WAFERS		
1902	2113-1290-0	1P RCA YL GOLD PLATED GND
1903	2113-1291-0	1P RCA WH GOLD PLATED GND
1904	2113-1292-0	1P RCA RD GOLD PLATED GND
J401	2113-1183-0	1P DIN CONNECTOR HDC-050
J402A	2102-031R-004	WAFER 3P P2.5 RIGHT
M4101	2113-9503-0	HTJ-064-07BG W/NUT/WASHER

Reference No.	Part No.	Description
CAPACITORS		
C4101, C4102	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C4103	157F-225K-5-GM	CE 50V 2.2µF 10% RL 4x7
C4104	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C4105, C4106	150F-102K-5-IF	CC 50V 1000pF 10% RL 5x3
C458, C459	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
RESISTORS		
R4101, R4102	4701-331J-C	RCF 1/8W 330R 5% ATS
R4103	4701-820J-C	RCF 1/8W 82R 5% ATS
R4104, R4105	4701-105J-C	RCF 1/8W 1M 5% ATS
R435, R436	4701-820J-C	RCF 1/8W 82R 5% ATS
VOLUME BOARD		
PC BOARD		
0018	PCB-N0950C-VOL	VOLUME ASSEMBLY
WAFER		
J207B	2102-031S-004	3 PIN ST. WAFER P=2.5 COULOMB
VOLUME		
M301	4750-6000-0	ROTARY ENCODER EC16B2425 ALPS
KEY BOARD		
0019 *AH	PCB-N0950C-KEY	KEYBOARD ASSEMBLY
0020 *C	PCB-N0951C-KEY	KEYBOARD ASSEMBLY
VFL DISPLAY		
2119	2460-1890-1	VFD 12-MT-79GNK FUTABA
CAPACITORS		
C201	157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C202	150F-103K-2-FC	CC 50V 0.01µF 10% AT
C203, C204	150F-220K-5-GG	CC 50V 22pF 10% RL 4x4
C205	150F-104Z-5-IU	CC 50V 0.1F +80/-20% RL
C206	157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C207	150F-104Z-5-IU	CC 50V 0.1F +80/-20% RL
C208	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C209	157E-335M-5-GM	CE 25V 3.3µF 20% RL 4x7
C210	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
DIODES		
D201, D202	4804-1480-C	DIODE 1N4148 ATS
D203	4837-5B61-2	DZ 1/2W 5.45-5.73 ROHM AT (MTZJ5.6B)
D205, D206	4804-1480-C	DIODE 1N4148 ATS
D209, D210	4804-1480-C	DIODE 1N4148 ATS
D211	4837-5B61-2	DZ 1/2W 5.45-5.73 ROHM AT (MTZJ5.6B)
D212	4804-0010-2	DIODE 1N4001 AT
WAFERS		
J203A,J206A	2101-1581-0	FLEXIBLE CONN. 35P P1.25 SIDE ENTRY
J208B	2102-8002-3-100	WAFER 2 PIN 9MM
COIL		
L201	1801-220K-M	COIL 22µH 10% AL BL7
SWITCHES		
M201-M217, M222	5200-3538-0	SWITCH, TACT SKHHBY 7MM HIGH

Reference No.	Part No.	Description
IR SENSOR		
M218	4814-3TE2-3	IR SENSOR PIC-12043TE2
CRYSTAL		
M219	2300-3150-0	CRYSTAL 10MHZ +/-30PPM LOAD CAP 22P HC49U
TRANSISTORS		
Q201	4860-0050-5	TR SS8050 C/D SAMSUNG RL
Q202	485C-144E-5	TR DTC144ES ROHM
Q204	485C-114E-5	TR DTC114ES
RESISTORS		
R201-R203	4701-681J-C	RCF 1/8W 680 5% ATS
R204-R206	4701-821J-C	RCF 1/8W 820R 5% ATS
R207-R209	4701-182J-C	RCF 1/8W 1.8K 5% ATS
R210-R212	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R213, R214	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R215-R218	4701-103J-C	RCF 1/8W 10K 5% ATS
R219	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R220, R221	4701-471J-C	RCF 1/8W 470R 5% ATS
R222	4701-473J-C	RCF 1/8W 47K 5% ATS
R223	4701-474J-C	RCF 1/8W 470K 5% ATS
R224	4701-102J-C	RCF 1/8W 1K 5% ATS
R225,R226	4701-103J-C	RCF 1/8W 10K 5% ATS
R228-R232	4701-223J-C	RCF 1/8W 22K 5% ATS
R232-R246	4701-103J-C	RCF 1/8W 10K 5% ATS
R247-R250	4701-473J-C	RCF 1/8W 47K 5% ATS
R251-R261	4701-103J-C	RCF 1/8W 10K 5% ATS
R262	4701-223J-C	RCF 1/8W 22K 5% ATS
R263-R274	4701-104J-C	RCF 1/8W 100K 5% ATS
R275	4701-562J-C	RCF 1/8W 5.6K 5% ATS
R280	4701-102J-C	RCF 1/8W 1K 5% ATS
R282	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R283	4701-471J-C	RCF 1/8W 470R 5% ATS
R284	4701-752J-C	RCF 1/8W 7.5K 5% ATS
ICs		
U201	3131-3810-0	IC LC87F65C8A 8-BIT MCU
U202	3131-3920-0	IC EEPROM 24C02 2KBIT 8PIN DIP
POWER SUPPLY BOARD		
0021 *AH	PCB-N0950C-PSU	POWER SUPPLY ASSEMBLY
0022 *C	PCB-N0951C-PSU	POWER SUPPLY ASSEMBLY
FUSE HOLDER		
3001	4132-1011-0	FUSE HOLDER
CAPACITORS		
C758 ⚠	8910-0091-0	CC 400V 0.01µF +-20% RL 17X9.5
C759	150F-223Z-5-UG	CC 50V 0.022µF +80/-20
C760	157E-227M-5-PU	CE 25V 220µF 20% RL 8.5X11
C761	153F-103K-5-IM	CM 50V 0.01µF 10% RL 5x7
DIODES		
D751	4804-1480-C	DIODE 1N4148 ATS
D752-D755	4804-0040-1	DIODE 1N4004 AL
WAFERS / JACKS		
J201B	2102-051S-004	5P ST.WAFER P=2.5 COLOMB
J605B	2102-021S-004	2P ST.WAFER P=2.5 COULOMB

Reference No.	Part No.	Description
M702, M703	2113-1179-0	PHONE JACK D3.5 BK JY-3537-01-140
SWITCHES		
M752 *C ⚠	5120-0017-0	FU T4A 250V SEMKO/UDE HBC
M753 ⚠	4500-0890-0	RELAY 12VDC,250VAC,10A SDT-SS-112DM OEG
M754 *C ⚠	5120-0018-0	FU T1A 250V SEMKO/UDE 5X20MM
M751 *AH ⚠	5120-0040-0	FU T6.3A 250V 5X20 UL
M754 *AH ⚠	5120-0052-0	FUSE T1.6A 250V 5X20MM
TRANSISTOR		
Q751	485C-123J-5	TR DTC123JSA ROHM
RESISTORS		
R750	4701-102J-C	RCF 1/8W 1K 5% ATS
R754	4717-8R2J-2-F	RMF 1/2W 8.2R 5% AL
R758 *AH ⚠	4717-335J-2-S	RMF 1/2W 3.3M 5% AT UL
TRANSFOMER		
T752	1806-2311-0	EI-35 TRANSFORMER 12V/AC 200MA Q0020C
IC		
U701	3130-2520-3	IC 7812 12V REGULATOR (SGS)
TUNER BOARD		
0023 *AH	PCB-N0950C-TUN	TUN ASSEMBLY
0024 *C	PCB-N0951C-TUN	TUN ASSEMBLY
JACKS / ANT-TERMINALS		
1002	2113-1805-0	6P RCA JACK R/W GOLD W/SHIELD
1003 *AH	2107-0641-0	ANT-TERMINAL F-TYPE
1003 *C	2107-0681-0	ANT-TERMINAL (DIN-TYPE)
CAPACITORS		
C381-C386	150F-101K-2-FC	CC 50V 100pF 10% AT
C901 *C	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C902, C903	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C904	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C906	157D-107M-5-IU	CE 16V 100µF 20% RL 5x11
C911	150F-200J-5-GG	CC 50V 20pF 5% RL 4x4
C912, C913	150F-102K-5-IF	CC 50V 1000pF 10% RL 5x3.5
C914, C915	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C916	150F-331K-5-GE	CC 50V 330pF 10% RL 4x3
C924, C925	15CH-200J-5-GG	CTC 0/60 20pF 5% RL 4x4
C926	153F-333J-5-NLM	CM 50V 0.033µF 5% RL 7.5X6.5 METALZD
C927	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C928	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C929	157F-224M-5-GM	CE 50V 0.22µF 20% RL 4x7
C930	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C931	157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C932	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C941	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C942	157D-107M-5-IU	CE 16V 100µF 20% RL 5x11
C943	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C944	157F-475M-5-GM	CE 50V 4.7µF 20% RL 4x7
C945	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C946	157F-105M-5-GM	CE 50V 1µF 20% RL 4x7
C947	157F-474M-5-GM	CE 50V 0.47µF 20% RL 4x7
C948	157F-105M-5-GM	CE 50V 1µF 20% RL 4x7
C949, C950	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C951	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7

Reference No.		Part No.	Description
C953, C954		153F-272J-5-JM	CM 50V 2700pF 5% RL 5.5x7
C959, C960		157D-226M-5-GM	CE 16V 22µF 20% RL 4x7
C961, C962	*AH	153F-272J-5-JM	CM 50V 2700pF 5% RL
C961, C962	*C	153F-152J-5-JM	CM 50V 1500pF 5% RL 5.5x7
C963, C964		157D-226M-5-GM	CE 16V 22µF 20% RL 4x7
C965		153F-272J-5-JM	CM 50V 2700pF 5% RL
C967		157D-474M-5-II	CE 16V 0.47µF 20% RL 5x5
C968		150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C969		157D-476M-5-IM	CE 16V 47µF 20% RL 5x7
C970		153F-223J-5-LQ	CM 50V 0.022µF 5% RL 6.5x9
C971		15CH-080D-5-GG	CTC 0/60 8pF 0.5pF RL 4x4
C973		153F-473J-5-NLM	CM 50V 0.047µF 5% RL 7.5X6.5 METALZD
C974		150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C975		157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C976		150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C977		157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C978		150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C979		157D-226M-5-GM	CE 16V 22µF 20% RL 4x7
C981		150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C982		150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C985		150F-561K-5-GG	CC 50V 560pF 10% RL 4x4
C986		157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C987		150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C988,C989		15CH-300J-5-IG	CTC 0/60 30pF 5% RL 5x4
C990		157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C991		153F-102J-5-IM	CM 50V 1000PF 5% RL 5x7
C992		150F-103K-5-II	CC 50V 0.01µF 10% RL 5x5
DIODES			
D901		4837-4C20-2	DZ 1/2W 5.0-5.2V AT
D902		4837-7C20-2	DZ 1/2W 9.1-9.5V AT
SOCKETS			
J703B		2101-1801-0	SOCKET (PCB/PCB) 10P P2.0
J704B		2101-1601-0	SOCKET (PCB/PCB) 16P P2.0 RA
COILS			
L901		1801-220K-M	COIL 22µH 10% AL BL7
L903, L904		5600-3386-S	COIL MPX LPF NMC-4085
L905		1801-101K-M	COIL 100µH 10%
L941		5600-3396-S	COIL FM DET-1 10.7MHZ NFIF-4081
L942		5600-3406-S	COIL FM DET-2 10.7MHZ NFIF-4082
L971		5600-3280-G	COIL MW RF BLOCK MNRF-5077
L972		5600-3416-S	COIL AM IFT NMIF-4062
L985		1801-101K-M	COIL 100µH 10%
TUNERS			
M901	*AH	1300-0666-0	TUNER EVN172C4G1 PANASONIC
M901	*C	1300-0726-0	TUNER ENV172D3G1 PANASONIC
CERAMIC FILTERS / CRYSTALS			
M902-M904		2701-0010-1	CF10.7 +-30 SFE10.7MA5-A
M905		2300-0440-0	CRYSTAL 7.2MHZ 20PPM
M911		2701-0680-0	CF 450 +-1 SFZ450JL3 MURATA
M985		2300-1220-0	CRYSTAL 4.332MHZ
P901		2113-1160-0	WAFER 2P ST. P=2.5 NH JST
TRANSISTORS			
Q901	*C	485C-945P-5	TR 2SC945P HFE 200-400

Reference No.	Part No.	Description
Q902	4851-9230-5	TR 2SC1923-0 HFE 70-140
Q903	485A-114E-5	TR DTA114ESA ROHM
Q922, Q923, Q942	4860-1590-5	TR 2SC1740S (R) HFE180-390
Q943, Q944	4860-8120-0	TR 2SD 1468 S
Q945	485A-114E-5	TR DTA114ESA ROHM
COILS / SEMI-FIXEDS		
R912	1801-101K-M	COIL 100µH 10%
R941	4756-2236-3-06	SVR 22K H3 7X7.6 RH0615C
R956	4756-1036-3-06	SVR 10K H3 7X7.6 RH0615C
RESISTORS		
R380, R381	4701-331J-C	RCF 1/8W 330R 5% ATS
R382, R384	4701-104J-C	RCF 1/8W 100K 5% ATS
R383, R385	4701-331J-C	RCF 1/8W 330R 5% ATS
R386, R388	4701-104J-C	RCF 1/8W 100K 5% ATS
R387, R389	4701-331J-C	RCF 1/8W 330R 5% ATS
R390, R391	4701-104J-C	RCF 1/8W 100K 5% ATS
R901 *AH	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R901 *C	4701-333J-C	RCF 1/8W 33K 5% ATS
R902	4701-220J-C	RCF 1/8W 22R 5% ATS
R903 *AH	4701-102J-C	RCF 1/8W 1K 5% ATS
R903 *C	4701-123J-C	RCF 1/8W 12K 5% ATS
R904 *C	4701-331J-C	RCF 1/8W 330R 5% ATS
R906	4701-103J-C	RCF 1/8W 10K 5% ATS
R907 *C	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R908 *C	4701-471J-C	RCF 1/8W 470R 5% ATS
R909, R910	4701-331J-C	RCF 1/8W 330R 5% ATS
R911	4701-101J-C	RCF 1/8W 100R 5% ATS
R913	4701-330J-C	RCF 1/8W 33R 5% ATS
R915	4701-103J-C	RCF 1/8W 10K 5% ATS
R916	4701-102J-C	RCF 1/8W 1K 5% ATS
R918	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R919-R924	4701-102J-C	RCF 1/8W 1K 5% ATS
R925, R926	4701-820J-C	RCF 1/8W 82R 5% ATS
R927	4701-103J-C	RCF 1/8W 10K 5% ATS
R928	4701-221J-C	RCF 1/8W 220R 5% ATS
R929	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R931	4701-220J-C	RCF 1/8W 22R 5% ATS
R933	4701-103J-C	RCF 1/8W 10K 5% ATS
R942	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R943	4701-822J-C	RCF 1/8W 8.2K 5% ATS
R944	4701-104J-C	RCF 1/8W 100K 5% ATS
R945	4701-392J-C	RCF 1/8W 3.9K 5% ATS
R946	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R947, R948	4701-103J-C	RCF 1/8W 10K 5% ATS
R949	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R950	4701-684J-C	RCF 1/8W 680K 5% ATS
R951	4701-102J-C	RCF 1/8W 1K 5% ATS
R952, R953	4701-223J-C	RCF 1/8W 22K 5% ATS
R954	4701-103J-C	RCF 1/8W 10K 5% ATS
R955	4701-220J-C	RCF 1/8W 22R 5% ATS
R957, R958 *AH	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R957, R958 *C	4701-272J-C	RCF 1/8W 2.7K 5% ATS
R959, R960 *AH	4701-683J-C	RCF 1/8W 68K 5% ATS
R959, R960 *C	4701-334J-C	RCF 1/8W 330K 5% ATS
R961, R962	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R963, R964	4701-104J-C	RCF 1/8W 100K 5% ATS
R968	4701-102J-C	RCF 1/8W 1K 5% ATS
R972	4701-103J-C	RCF 1/8W 10K 5% ATS

Reference No.	Part No.	Description
R973	4701-183J-C	RCF 1/8W 18K 5% ATS
R974	4701-104J-C	RCF 1/8W 100K 5% ATS
R975 *AH	4701-273J-C	RCF 1/8W 27K 5% ATS
R975 *C	4701-563J-C	RCF 1/8W 56K 5% ATS
R985-R987	4701-102J-C	RCF 1/8W 1K 5% ATS
ICs		
U901	3130-8180-0	IC LA1837 AM/FM IF
U902	3131-9040-0	IC LC72723M RDS DEMODULATOR MFP16
U903	3131-3760-0	IC LC7218 PLL FREQ SYNTHESIZER SANYO

NOTE:
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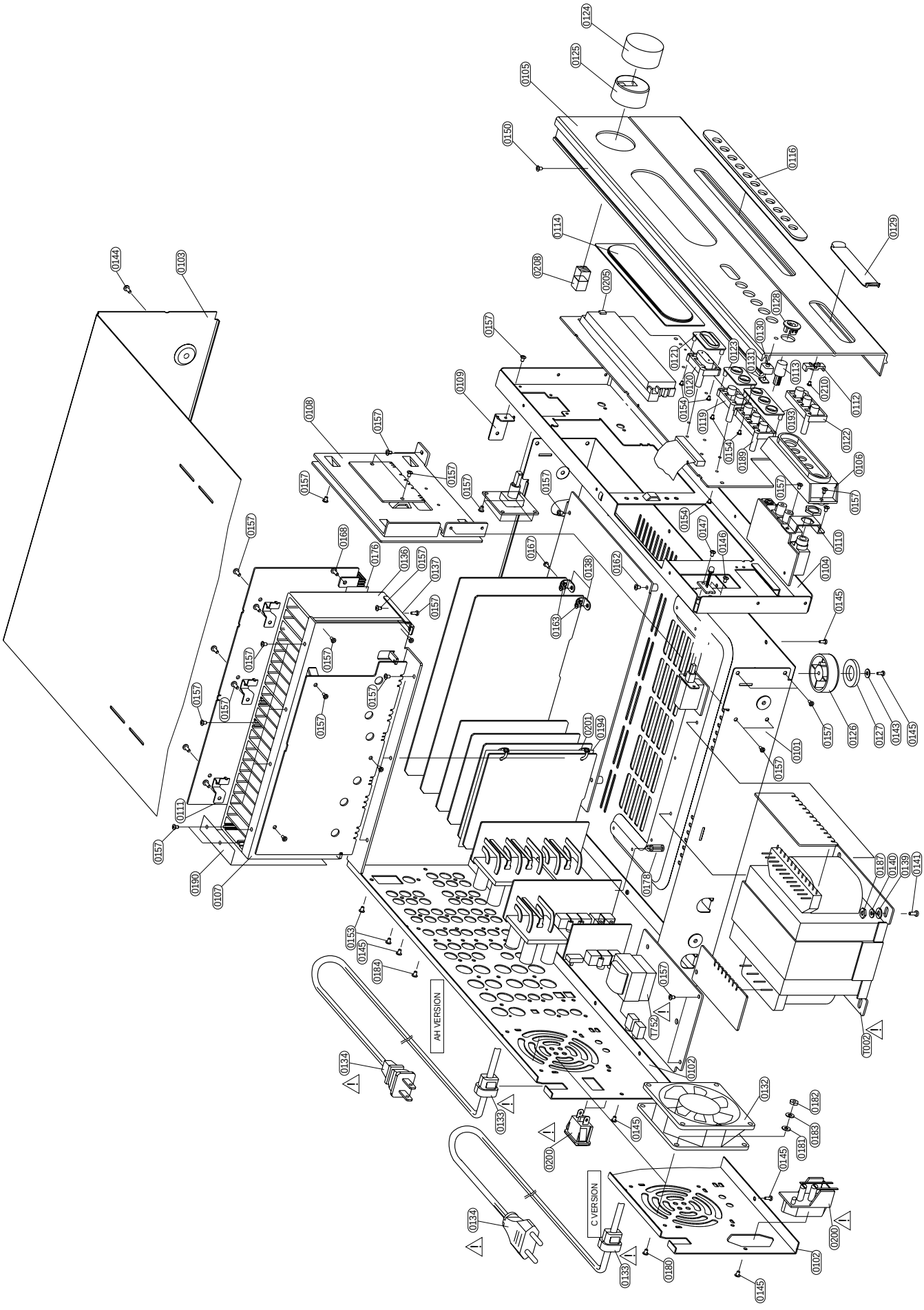
- <*AH > : USA, Canadian model only.
- <*C > : European model only.
- Capacitors : CP-Polystyrene, CM-Mylar, CE-Electrolytic, CC-Ceramic, CTC-NPO.
- Resistors : RMF-Metal Film, RCF-Carbon Film, RWR-Wirewound Metal Oxide.

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

ITEM	Part No.	Description	Qty
0101	1403-5160-1	BOTTOM CHASSIS (T-760)	1
0102 *AH	1403-6390-0	REAR PANEL T-761 (AH)	1
0102 *C	1403-6391-0	REAR PANEL T-761(C)	1
0103 *AH	1403-5181-0	TOP COVER T-761	1
0103 *C	1403-5182-0	TOP COVER T-761	1
0104	1403-6510-0	SUB-FASCIA T-761	1
0105 *AH, *C	1403-6380-0	FASCIA T-761	1
0106	4152-7830-0	FRONT INPUT BEZEL T-761	1
0107	4134-9031-0	BRACKET SURR BOARD T-760	1
0108	4134-9041-0	BRACKET AC3 BOARD T-760	1
0109	4134-9051-0	BRACKET ANGLE	2
0110	4134-9061-0	BRACKET PHONES	1
0111	4134-9071-0	BRACKET PCB MOUNTING	5
0112	4154-0311-0	DUMMY CLAMP	1
0113	2444-1601-0	POWER BUTTON GREEN LONG	1
0114	3716-4401-0	WINDOW LENS	1
0116	4152-4341-0	INPUT BUTTON LOZENGE	1
0119	2444-1901-0	DUO BUTTON T-760	1
0120	2444-1301-1	BUTTON RACKER (NICKEL)	1
0121	4154-0091-0	BEZEL RACKER (NICKEL)	1
0122	2444-2101-0	INPUT BUTTON	4
0123	4154-0411-0	BEZEL DUO	1
0124	4134-9081-0	VOLUME KNOB SKIN T-760	1
0125	4154-0341-0	VOLUME KNOB CORE T-760	1
0126	4152-4631-0	RUBBER FOOT (522) 14MM HIGH	4
0127	4152-4641-0	CUSHION FOOT (522)	4
0128	4152-4331-0	POWER BUTTON BEZEL	1
0129	4152-7900-0	VIDEO COVER T-761	1
0130	4152-1701-0	LED BEZEL (117)	0
0131	3714-5706-0	LED LENS (412) CLEAR SAN	1
0132	8900-3040-1	DC FAN 12V 80x80mm L=230MM	1
0133 ⚠	4152-3851-0	SQ. STRAIN RELIEF BUSING	1
0134 *AH ⚠	7009-3100-2	AC CORD 18AWGX2	1
0134 *C ⚠	7009-3110-0	AC CORD (SEMKO)	1
0136	5400-9051-0	HEATSINK T-760	1
0137	4134-0121-0	HEATSINK MOUNTING BRACKET	2
0138	4152-0451-0	L-BRACKET	2
0139	2600-4008-0973	FLAT WASHER M4X0.8X9.7 BZ	4
0140	2607-4010-0703	SPRING WASHER M4X1X7 BZ	4
0141	2904-4010-3000	SCREW M4X10 (BLK)	4
0143	2842-3367-0	METAL WASHER ID=3.3 OD=6.7	4
0144	2900-4006-3010	M4X0.5PX6MM W/FLAT WASHER	6
0145	2954-3008-3000	T3X8MM SELF TAPPING	37
0146	2904-3008-0000	M3X8MM BINDING HEAD (YEL.ZN)	2

ITEM	Part No.	Description	Qty
0147	2954-3006-0000	3X6MM B-TITE (YEL.ZN)	1
0154	2954-2606-3000	SCREW BH 2.6X6 BLACK	23
0157	2954-3008-0000	TAPPING 3X8MM B-TITE (YEL.ZN)	62
0162	2904-3006-0000	SCREW M3X6	3
0167	2954-3006-0000	3X6MM B-TITE (YEL.ZN)	2
0168	2900-3010-3030	SCREW M3X10 W/S&F WASHER (BLK)	10
0176	3100-3211-0	SILICON SHEET (26X20MM)	10
0178	4152-5831-0	PCB SUPPORT 12MM HIGH	1
0180	2904-3012-3000	M.SCREW M3X12 B/H BLACK ZINC	4
0181	2600-3005-0800	METAL WASHER M3X0.5X8MM ZNC	4
0182	2640-3022-0540	M3 NUT	4
0183	2607-3007-0550	SPRING WASHER	4
0184	2954-2608-3000	SCREW BT 2.6X8 BLACK ZINC	7
0187	2640-4030-0703	M4 NUT (BLK)	4
0189	2444-1201-0	BUTTON TRIO (NICKEL)	1
0190	4154-1991-1	HEAT INSULATION SHEET	1
0193	4154-0031-0	BEZEL TRIO (NICKEL)	1
0194	4154-1941-0	PROTECTION SHEET	1
0200 *C ⚠	2113-1317-0	AC INLET EUROPE 250V/2.5A	1
0200 *AH ⚠	2113-1662-0	AC INLET 2 PIN 15A	1
0201	6360-0012-0	PLASTIC CABLE TIE (BLK)	16
0205	4152-3291-1	FOAM 6X4X1.5T MM	1
0208	4152-1161-0	FOAM RUBBER 10X10X10 BK W/TAPE	2
0210	2954-2006-0000	TAPPING SCREW 2X6	6
T002 *AH, *C ⚠	1806-2414-0	TRANSFORMER EI-105 120-230V	1
T752 ⚠	1806-2311-0	EI-35 TRANSFORMER 12V/AC 200MA Q0020C	1

NOTE:
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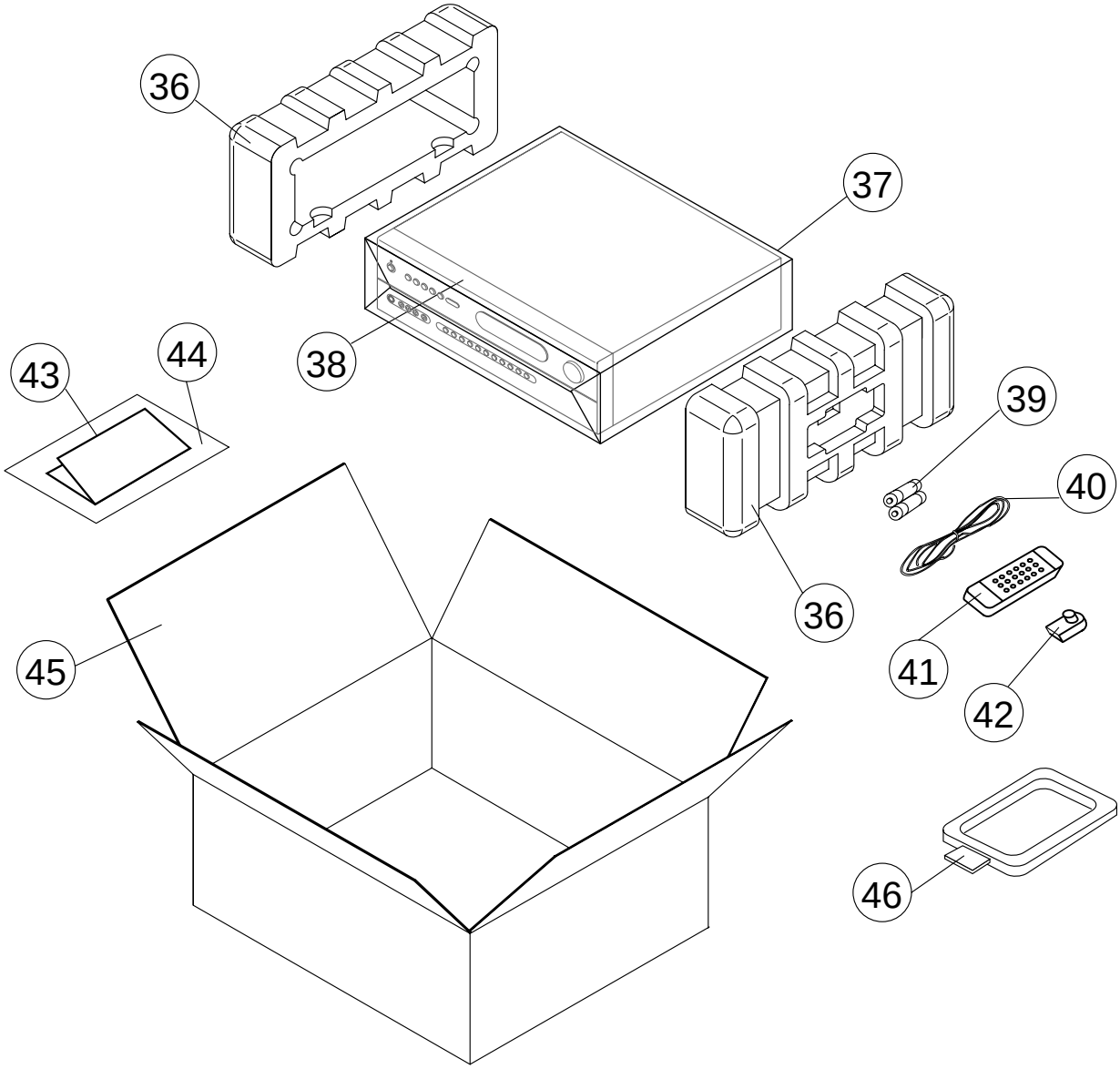
PACKING DIAGRAM



ITEM	PART NO.	DESCRIPTION	Q'TY
36	1490-2783-2	POLYFORM ENDCAP	2
37	1497-1072-4	UNIT POLYBAG	1
38	1497-1162-0	FASCIA COVER	1
39	4060-0530-0	BATTERIES	2
40	2107-0661-1	300 OHM T ANTENNA	1
41	8900-2167-0	REMOTE CONTROL HANDSET	1
42*AH	2103-6101-0	RF CONNECTOR PLUG	1
42*C	2103-6201-0	RF CONNECTOR PLUG	1
43	4301-4113-1	OWNER'S MANUAL (GB,F,D)	1
43	4301-4114-1	OWNER'S MANUAL (E,I,S,P)	1
44	1497-1062-0	MANUAL POLYBAG	1
45	1478-1300-0	CARTON BOX	1
46	2113-1155-0	AM LOOP ANTENNA	1

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SERVICE MANUAL

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